

KURUKSHETRA UNIVERSITY, KURUKSHETRA
(Established by the State Legislative Act XII of 1956)
(“A+” Grade, NAAC Accredited)

Scheme of Examination of B.A. in Economics Semester 1st to Semester 6th w.e.f. Session 2020-2021, Under Choice Based Credit System/LOCF in phased manner for the regular students of Institute of Integrated and Honors Studies, K.U. Kurukshetra.

Semester	Course Code	Course Name	Credit	Teaching Hour per week	Scheme of Examination			Time
					Theory	Internal Assessment	Total Marks	
1st	CC-1	English (As per respective Department)	6	6	120	30	150	3
	CC-1	Hindi (As per respective Department)	6	6	120	30	150	3
	CC-1 Elective 1 B-ECO-101	Micro Economics-I	6	6	120	30	150	3
	CC-1 Elective 2	Elective Subject (As per respective Department)	6	6	120	30	150	3
	AECC-1	English Communication/MIL Communication/EVS (As per respective Department)	2	2	40	10	50	2
2nd	CC-2	English (As per respective Department)	6	6	120	30	150	3
	CC-2	Hindi (As per respective Department)	6	6	120	30	150	3
	CC-2 Elective 1 B-ECO-201	Micro Economics-II	6	6	120	30	150	3
	CC-2 Elective 2	Elective Subject (As per respective Department)	6	6	120	30	150	3
	AECC-2	English Communication/MIL Communication/EVS (As per respective Department)	2	2	40	10	50	2

3rd	CC-3	English (As per respective Department)	6	6	120	30	150	3
	CC-3	Hindi (As per respective Department)	6	6	120	30	150	3
	CC-3 Elective 1 B-ECO-301	Macro Economics-I	6	6	120	30	150	3
	CC3-Elective 2	Elective Subject (As per respective Department)	6	6	120	30	150	3
	SEC-1	Computer Science Level-1/ Personality Development/MOOC (As per respective Department)	2	2	40	10	50	2
4th	CC-4	English (As per respective Department)	6	6	120	30	150	3
	CC-4	Hindi (As per respective Department)	6	6	120	30	150	3
	CC 4-Elective 1 B-ECO-401	Macro Economics-II	6	6	120	30	150	3
	CC-4-Elective 2	Elective Subject (As per respective Department)	6	6	120	30	150	3
	SEC-2	Computer Science Level-1/ Personality Development/MOOC (As per respective Department)	2	2	40	10	50	2
5th	SEC 3 – Elective2	Elective Subject (As per respective Department)	2	2	40	10	50	2
	SEC3- Elective 1-B-ECO-501	International Economics	2	2	40	10	50	2
	DSE-1 Elective 1 B-ECO-502	Indian Economies-I	6	6	120	30	150	3
	DSE-1 B- Elective 2	Elective Subject (As per respective Department)	6	6	120	30	150	3
	GE-1- B-ECO-503	Economics of Development I	6	6	120	30	150	3

6th	SEC-4 Elective 2	Elective Subject (As per respective Department)	2	2	40	10	50	2
	SEC-4 Elective 1-B-ECO-601	Public Economics	2	2	40	10	50	2
	DSE-2 Elective 1 B-ECO-602	Indian Economies-II	6	6	120	30	150	3
	DSE-2 Elective 2	Elective Subject (As per respective Department)	6	6	120	30	150	3
	GE-2- B-ECO-603	Economics of Development II	6	6	120	30	150	3

*One credit=1 Hour of teaching/2 hours of practical work=25 marks

*MIL stands for Media and Information Literacy

*GE: Generic Elective (As per respective Department)

*GE: Generic Elective .They is available in Sem. 5 and Sem. 6(As per respective Department)

*CC: Core courses are four @ 6 credits per semester. Available in two languages and two Electives in Sem1, Sem2, Sem3 and Sem. 4

*AECC: Ability Enhancement Compulsory Course are two @ 2 credits per Semester. Available in Sem-1 and Sem-2) (As per respective Department)

*SEC: Skill Enhancement Course is four. @ 2 credits per semester, exist in Sem3 Sem.4,Sem. 5 and Sem. 6).In Sem. 3&4,it can be one from Computer Science Level-1 or Personality development or MOOC(Massive Open Online Courses) In Sem5&6,it can be any one from the two elective subjects each(As per respective Department)

*DSE: Discipline Specific Elective is four. @ 6 credits per semester. Available in Sem. 5&Sem. 6.They comprise two elective subjects each from a semester

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Scheme and Syllabus of Examination of B.A. in Economics Semester 1st to Semester 6th w.e.f. Session 2020-2021, Under Choice Based Credit System/LOCF in phased manner for the regular students of Institute of Integrated and Honors Studies, K.U. Kurukshetra.

PROGRAMME OUTCOMES (POs) for UG course of Economics

- 1- To develop skills in graduate students so that they are able to acquire theoretical and practical knowledge about economics, economy, economic behavior, economic policies and economic institutions and economic problems.
- 2- To inculcate ability in students for critical thinking, lateral thinking about economic phenomena, problems and policies so as to create professional potential in them
- 3- To create awareness on ethical issues, good business practices, and ecology-economics interface
- 4- To development ability in youth for understanding basic economic rationality and effective communication skills
- 5- To prepare youth for career in teaching, industry, government organisations and self-entrepreneurship
- 6- To make students aware of natural resources, sustainable use and environment
- 7- To provide learning experience in students that instills deep interest in economic science for the benefit of society.

PROGRAMME SPECIFIC OUTCOMES (PSOs) for UG course in Economics

PSO1: demonstrate the knowledge and understanding of economic science i.e vital processes of economy, consumer and producer behavior at micro level and macro-level

PSO2: critically think and correlate the economics knowledge with decision-making with regard to economic planning and economic policies, understanding of conflicts and tradeoffs and welfare implications of economic measures to improve the quality of life in person as well as of community.

PSO3: demonstrate an understanding of the principles, methods of economic analysis in static and dynamic terms, analysis of economic data

PSO4: concise and meaningful writing and reporting, effective presentation skills, and ability to work productively in a group with co-operation

Bachelor of Arts Economics (Sem. I)

Micro Economics-I

CC-1 B-ECO 101

External marks:120

Internal Marks:30

Total Marks: 150

Credit :6

Time: 3 hours

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I 1.1.Economics: Definition, Nature, Scope 1.2.The Economic Problem : Scarcity and Choice, Functions of an Economic System, 1.3.Law of Demand 1.4.Elasticity of Demand: Concept, Types, Measurement, Determinants and Importance	1.1 aims at Introducing the subject of economics to the student, historical background, scope and subject matter, its nature-science or art, and its assumptions and limitations 1.2 Aims at apprising the student about economic problem, its nature, exposition through diagrams; solution of economic problem under different economic system 1.3 To make the students acquainted with Basic concept of demand, law of demand, assumptions, explanation, and exceptions. Changes in demand, and Kinds of demand. 1.4 Giving conceptual knowledge about elasticity, and price, Income and cross elasticity of demand, measurement and determinants, conceptual and practical significance of the concept
UNIT -II 2.1 Concept of Utility 2.2 Cardinal Utility Analysis,	2.1 Sets the goal to make the student learn about the concept, its types, nature etc. 2.2 Aims at apprising the student about its meaning,

<p>2.3 Law of Equi- Marginal Utility 2.4 Law of Diminishing Marginal Utility 2.5 Derivation of Demand Curve 2.6 Ordinal Utility Analysis 2.7 Indifference Curves Analysis 2.8 Consumer Equilibrium 2.9 Price, Income and Substitution Effects 2.10 Consumer Surplus</p>	<p>the historical background,assumptions,implications,significance and limitations of the analysis. 2.3&2.4 Goal is to make the students know about the laws,their assumptions,explanation,application and significance 2.5 In conjunction with the aims w.r.t 2.2,2.3&2.4,relates to derivations of demand curve 2.6&2.7 Aims at making the students learn about the approach,exposition of indifference curves,applications and limitations 2.8&2.9 In conjunction with 2.2&2.6,how the consumer equilibrium is attained,conditions,how changes in consumer equilibrium takes place 2.10 To apprise students about the concept,its measurement by both cardinal and ordinal approach,applications,limitations of the concept</p>
<p>UNIT-III 3.1 Production Function & Product Curves 3.2 Law of Variable Proportions 3.3 Iso-quants & Iso-cost Lines 3.4 Returns to Scale 3.5 Economies & Diseconomies of Scale Internal & External 3.6 Supply Curve & Elasticity of Supply</p>	<p>3.1&3.2 Aims at making the student learn about the meaning of production,and production function,kinds.The relationship between different kinds of products in case one input is fixed.Implications and significance. 3.3&3.4 the objective is to give the students knowledge about tools of isoquants and iso-cost line and their significance.The students are to be apprised how product curve behave when no input is fixed,exposition by way of isoquants . 3.5 The content is meant to give the students knowledge about the meaning, types of Economies of scale ,their significance 3.6</p>

	Aims at apprising the students about the concept of supply, supply law and elasticity of supply, implications, and significance
Unit-IV 4.1 Cost Analysis: Concepts of Cost, Short Period Costs, Long Period Costs 4.2 Modern Theory of Costs. 4.3 Revenue: Total, Average and Marginal Revenue 4.4 Break Even Analysis and its Uses	4.1&4.2 Aims at making the students knowledgeable about concepts of costs, types; traditional and modern theories of short-term costs, and long term costs 4.3 Objective is to make students learn about the concepts, and their interrelationships in various market situations 4.4 Purpose is to acquaint the students about break-even analysis, its applications, and limitations

OVERVIEW OF OUTCOMES

CORE COURSE- MICROECONOMICS-1

- After the successful completion of the course, the students will be able to Course Objective #
- 101.1 Have insight about the economics, the economic problem and consumer behaviour in terms of demand and its elasticity
- 101.2 Have further understanding of consumer behavior in terms of Laws of diminishing utility, equi-marginal utility, consumer equilibrium, Indifference Curve analysis, and consumer surplus
- 101.3 Have knowledge about nature of production, and producer behavior in terms of laws of production, economies and diseconomies of scale, and producer's equilibrium through isoquant approach.
- 101.4 Have understanding about Revenue, Cost concepts & inter-relationships about costs, and break-even analysis of profit maximizing behavior

CORE-COURSE- MICROECONOMICS-1

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
101.1	3	3	1	2	1	2	1	3	1	2	1
101.2	3	3	2	2	1	1	1	3	1	2	1
101.3	3	3	1	2	2	1	1	3	1	2	1
101.4	3	3	1	2	2	1	1	3	1	2	1
Average	3	3	1.25	2	1.5	1.25	1	3	1	2	1

Suggested Readings:

1. N. Gregory Mankiw' "Principles of Economics" South-Western College; 5th Edition(2008)
2. J.E Stiglitz and G.E Walsh' "Principles of Economics", W.W Norton & Co. N.Y.
3. R.G Paul Samuelson and Nordhaus' "Economics", Tata Mcgraw Hill Publishing Company, New Delhi. 18th Edition (2004)
4. Lipsey and KA. Chrystal, Economics, Oxford University Press, Oxford(2007).
5. A. Koutsoyiannis , Modern Microeconomics , Macmillan (Latest Edition).
6. R.G Lipsey and KA. Chrystal, "Principles of Economics", Oxford University Press ,Oxford(2002-03).
7. R.S Pindyck& D.L Rubinfeld: Microeconomics, Prentice Hall Series in Economics MATE (2005)
8. Walter Nicholsan' " Microeconomic Theory: Basic Principles and Extensions",South Western College.South Western Publication(2007)
9. Hal R. Varian " Intermediate Microeconomic: A modern Approach", W.W Norton & Company,6th Edition (June 2002)
10. W.J Baumol& Alan S. Blinder, "Microeconomics: Principles and Policy" Thomson, India Edition. Ceneage Learning India PvtLtd(2006)

Bachelor of Arts Economics (Sem. II)
Micro Economics-II
CC-2 B-ECO-201

External marks:120
Internal Marks:30
Total Marks: 150
Credit :6
Time: 3 hours

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A &B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I 1.1.Market Structures- Concepts 1.2.Perfect Competition: Characteristics and Assumptions, 1.3.Price Determination Under Perfect Competition, 1.4.Equilibrium of the firm in the short period and the long period	1.1 To introduce the students about market, its classification 1.2&1.3 The aim is to make students know the fully competitive market, how the price determination takes place 1.4 Objective is to apprise the students about equilibrium of the firm in short-run and long run
UNIT-II 2.1.Monopoly: Characteristics 2.2.Equilibrium of the Monopoly Firm in Short period and Long period 2.3.Concept of Supply Curve under Monopoly 2.4.Price Discrimination	2.1 The students are expected to know about the monopoly, types. 2.2,2.3&2.4 Aim is to make the students learn about how a monopolist achieves equilibrium in short period and long period, whether the supply curve of a monopolist exists or not, and develop a general understanding about price discrimination, its conditions, and price strategy for equilibrium in case of many markets.
UNIT -III 3.1 Monopolistic Competition: Characteristics 3.2 Selling Costs ,Product Differentiation 3.3 Short period and long period Equilibrium of the Firm 3.4 Concept & Characteristics of Oligopoly.	3.1 Aims at making students learn about the market type characteristics 3.2&3.3 Objective is to make understand the nature of selling costs, optimum level, and product differentiation, types, and optimum level. 3.4 The students are expected to learn about the

	meaning, nature, types and features of oligopoly firm
UNIT-IV 4.1 Marginal Productivity Theory of Distribution 4.2 Ricardian Theory of Rent 4.3 Theories of Interest; Classical and Neoclassical 4.4 Marginal Productivity Theory of Wages	<p>4.1 Aim is to make the students apprised of factor market and distribution or factor pricing.</p> <p>4.2 The students are expected to learn about classical view of rent, and how Ricardo's theory explains the origin of rent, and rent-price relationship.</p> <p>4.3 The students are to be imparted knowledge about meaning & nature of interest rate, classical economists' position and neoclassical economists' position about the determination of equilibrium interest rate</p> <p>4.4 The learning objective for students is know the classical position on wage rate determination, explanation, implications and limitations</p>

**OVERVIEW OF OUTCOMES
CORE COURSE- MICROECONOMICS-II**

After the successful completion of the course, the students will be able to

Course Objective #

201.1 Have understanding about the market, market structure, perfect competition and firm's equilibrium under it in short and long run

201.2 Have insight about monopoly, nature of monopoly, firm's equilibrium and price discrimination

201.3 Have knowledge about nature of imperfect markets viz monopolistic competition, Oligopoly, firms' strategies

201.4 Have understanding about the distribution and microeconomic theories of distribution, traditional and modern approach, determination of interest rate and wages, different theories related to interest and wages

CORE-COURSE- MICROECONOMICS-II

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
201.1	3	3	1	2	1	2	1	3	1	2	1
201.2	3	3	2	3	1	1	1	3	1	2	1
201.3	3	3	1	2	2	1	1	3	1	2	1
201.4	3	3	1	2	2	1	1	3	1	2	1
Average	3	3	1.25	2.25	1.5	1.25	1	3	1	2	1

Suggested Readings:

1. Paul Samuelson and Nordhaus' "Economics", Tata Mcgraw Hill Publishing Company, New Delhi. 18th Edition (2004)
2. N.GregoryMankiw' "Principles of Economics" South-Western College; 5th Edition(2008)
3. J.E Stiglitz and G.E Walsh' "Principles of Economics", W.W Norton & Co. N.Y.
4. R.G Lipsey and KA. Chrystal, Economics, Oxford University Press, Oxford(2007).
5. A.Koutsoyiannis , Modern Microeconomics , Macmillan (Latest Edition).
6. R.G Lipsey and KA. Chrystal, "Principles of Economics",Oxford University Press ,Oxford(2002-03).
7. R.S Pindyck& D.L Rubinfeld: Microeconomics, Prentice Hall Series in Economics MATE (2005)
8. Walter Nicholsan' " Microeconomic Theory: Basic Principles and Extensions",South Western College.South Western Publication(2007)
9. Hal R. Varian " Intermediate Microeconomic: A modern Approach",W.W Norton & Company,6th Edition (June 2002)
10. W.J Baumol& Alan S. Blinder, "Microeconomics: Principles and Policy" Thomson, India Edition. Ceneage Learning India PvtLtd(2006)

Bachelor of Arts Economics (Sem. III)
Macroeconomics-I
CC-3 B-ECO-301

External marks:120
Internal Marks:30
Total Marks: 150
Credit :6
Time: 3 hours

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I 1.1 Nature and Scope of Macro Economics 1.2 Difference between Micro and Macro Economics 1.3 Importance of Macro Economics. 1.4 Concepts, Measurement and limitations of National Income Statistics 1.5 Circular flow of Income in Two, Three and Four Sector Economy.	1.1,1.2&1.3 To introduce the students about macroeconomics, its nature, scope, importance The aim is to make students attuned with economics as a study in economic aggregates 1.4 Objective is to acquaint the students with National Income aggregates, inter-relationships, and measurements of national income. 1.5 The contents under this section are designed to make students learn the inter-relationships in an economy, among its various sectors, and nature of the flows
UNIT-II 2.1.Say's law of Market 2.2.Classical Theory of Income and Employment 2.3.Keynesian Theory of Income and Employment 2.4.Principle of Effective Demand. 2.5.Comparison between Classical and Keynesian Theory	2.1&2.2 A general idea about the law as foundation of the classical system is supposed to be given to the students. Allied objective is to introduce the working of economy under classical system, how equilibrium level of income and employment is determined 2.3 Aim is to make the students learn about how economy functions under Keynesian framework, and equilibrium level of income and employment is determined. 2.4&2.5 The students are expected to learn about key component in the structure of Keynesian set-up, and

	comparison between Classical and Keynesian models
UNIT -III 3.1.Consumption Function: Meaning and Technical Attributes. 3.2.Significance of MPC 3.3.Keynesian Psychological Law of Consumption and its Implications 3.4.Short run & Long run Consumption functions.	3.1,3.2,3.3 Aims at making students learn about the consumption as a macro-economic, variable and as a component of Keynesian structure. Students are expected to learn the inter-relationships among attributes of consumption function and the behavior of consumption over time, with increase in disposable income. 3.4 The students are expected to get the understanding of Keynesian ,and other hypotheses about the behavior of aggregate consumption in the long run
UNIT-IV 4.1.Meaning of Capital and Investment 4.2.Types of Investment 4.3.Marginal Efficiency of Capital (MEC). 4.4.Relation between MEC and MEI 4.5.Factors affecting Inducement to Invest	4.1&4.2 Aim is to make the students apprised of Capital and Investment. 4.3,4.4 The students are expected to learn about rate of return in terms of MEC and MEI and its role in optimizing the investment. 4.5 The students are to be imparted knowledge about meaning &nature of private investment, also with objective for students is know the determinants of psychology of investors.

OVERVIEW OF OUTCOMES

CORE COURSE- MACROECONOMICS-1

After the successful completion of the course,the students will be able to Course Objective #

- 301.1 Have insight about macroeconomics,nature&scope,methodology; national incomeand circular flow of income in economy
- 301.2 Have understanding of macroeconomic behavior in terms of classical theory of employment,Say'slaw,Keynes' theory of equilibrium level of income and employment,a comparison
- 301.3 Have knowledge about consumption beaviour at macroeconomic level,Keynes' psychological law of consumption, hypotheses about long run income-consumption relationship
- 301.4 Have understanding about capital and investment,decision to invest at macroeconomic level,determinants of induced investment

CORE-COURSE- MACROECONOMICS-1

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
301.1	3	3	1	2	1	2	1	3	2	2	1
301.2	3	3	2	2	1	1	1	3	1	2	1
301.3	3	3	1	2	2	1	1	3	1	2	1
301.4	3	3	1	2	2	1	1	3	2	2	1
Average	3	3	1.25	2	1.5	1.25	1	3	1.5	2	1

Suggested Readings:

- Lipsey R.G. and K.A. Christal(1999) —Principles of Economics 9th Ed., Oxford University Press.
- Ackley, G (1978), —Macroeconomics: Theory and Policy, Macmillan, New York.
- Branson, W. A. (1989), —Macroeconomics: Theory and Policy, 3rd ed. Harper and Harper and Row, New York.
- Shapiro, E (1996), —Macroeconomics: Analysis Galgotia Publication, New Delhi.
- Stiglitz J. E. and Carl E. Walsh (2002), Principles of Macroeconomics, W.W. Norton and Company, New York.
- Paul Samuelson and Nordhaus: (2005) —Economics (18th Ed.) Tata Hill Publishing Company, New York. •Mankiw N. Gregory: (2007) —Principles of Economics, Thomson, Indian Reprint.
- Lipsey R.G. and K.A. Chrystal (2007) —Economics, Oxford University Press

Bachelor of Arts Economics (Sem. IV)
Macroeconomics-II
CC-4 B-ECO-401

External marks:120
Internal Marks:30
Total Marks: 150
Credit :6
Time: 3 hours

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I 1.1. Keynesian Multiplier: Concepts 1.2. Relation between Multiplier, MPC and MPS 1.3. Comparative Static and Dynamic Process. 1.4. Working of Multiplier in UDC'S. 1.5. Acceleration Principle and Concept of Super Multiplier.	1.1,1.2,1.3&1.4 To introduce the students about Income propagation process by multiplier effect of investment, relationship with consumption The aim is to make students attuned with dynamics of income generation 1.4 Objective is to acquaint the students with limitations of multiplier effect in underdeveloped economies. 1.5 The contents under this section are designed to make students learn the effect of output growth on the demand for capital goods. in an economy, along-with combined effect of induced and autonomous investment
UNIT-II 2.1. The Demand for Money: Concepts, Functions and Significance 2.2. Quantity Theory of Money - Fisher's Approach and Cambridge Approach 2.3. Keynesian Liquidity Theory of Money 2.4. Supply of Money: Meaning and Determinants 2.5. High Powered Money and Money Multipliers	2.1,2.2 A general idea about the value and demand for money. How classical approach takes position on the relationship of Money supply and Price level, followed by neo-classical economists. 2.3 Aim is to make the students learn about how money functions under Keynesian framework, and equilibrium level of interest rate is determined. 2.4&2.5 The students are expected to learn about key components in the supply of money, determinants and relationship of reserve money with overall money supply.

<p>UNIT -III</p> <p>3.1 Meaning, Causes and Effects of Inflation</p> <p>3.2 Types of Inflation</p> <p>3.3 The Classical Theory of Inflation</p> <p>3.4 Demand Pull and Cost Push Inflation.</p> <p>3.5 Phillips Curve in Short run and Long run.</p>	<p>3.1,3.2&3.3</p> <p>Aims at making students learn about the inflation, its nature, theories related to the explanation of price rise. Students are expected to learn the inter-relationships among factors leading to inflation and its dynamics.</p> <p>3.4</p> <p>The students are expected to get the understanding of relationship between unemployment and Price rise over short-period and long period.</p>
<p>UNIT-IV</p> <p>4.1. Meaning, Nature and Features of Business Cycles</p> <p>4.2. Types and Phases of Business Cycles</p> <p>4.3. Keynes View of Trade Cycles</p> <p>4.4. Theories of Trade Cycles (Hicks and Samuelson). 4.5. Rate of Interest: Keynesian Theories of Interest&IS-LM framework</p>	<p>4.1&4.2</p> <p>Aim is to make the students apprised of fluctuations in business activity, nature, and causes and phases of business cycles,</p> <p>4.3&4.4</p> <p>The students are expected to learn about Keynes explanation, followed by Post-Keynesians viz J. Hicks, P. Samuelson</p> <p>4.5</p> <p>The students are to be imparted knowledge about meaning &nature of rate of interest in macro-economic perspective-Keynesian position side by side IS-LM framework</p>

OVERVIEW OF OUTCOMES

CORE COURSE- MACROECONOMICS-2

After the successful completion of the course,the students will be able to

Course Objective

401.1 Have understanding about income generation process through Investment,multiplier effect and acceleration effect of income ,combined action of multiplier and acceleration effect

401.2 Have understanding of value of money;classical ,neoclassical approach,Demand for money and Supply of money,components of money supply,role of credit and high-powered money in economy

401.3 Have knowledge about fluctuations in value of money: inflationCauses,process of inflation,measures,Employment –inflation relationship: hypotheses

401.4 Have understanding about business cycles,dynamics of business cyclesphases,interest rate in macroeconomic perspective-Keynes and Hicks-Hansen approach

CORE-COURSE- MACROECONOMICS-2

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
401.1	3	3	1	2	1	2	1	3	2	2	1
402.2	3	3	2	2	1	1	1	3	1	3	1
403.3	3	3	1	2	2	1	1	3	1	2	1
404.4	3	3	1	2	2	1	1	3	2	3	1
Average	3	3	1.25	2	1.5	1.25	1	3	1.5	2.5	1

Suggested Readings:

- Lipsey R.G. and K.A. Christal(1999) —Principles of Economics 9th Ed., Oxford University Press.
- Ackley, G (1978), —Macroeconomics: Theory and Policy, Macmillan, New York.
- Branson, W. A. (1989), —Macroeconomics: Theory and Policy, 3rd ed. Harper and Harper and Row, New York.
- Shapiro, E (1996), —Macroeconomics: Analysis Galgotia Publication, New Delhi.
- Stiglitz J. E. and Carl E. Walsh (2002), Principles of Macroeconomics, W.W. Norton and Company, New York.
- Paul Samuelson and Nordhaus: (2005) —Economics (18th Ed.) Tata Hill Publishing Company, New York. •Mankiw N. Gregory: (2007) —Principles of Economics, Thomson, Indian Reprint.
- Lipsey R.G. and K.A. Chrystal (2007) —Economics, Oxford University Press

Bachelor of Arts Economics (Sem. V)
International Economics
SEC-3 B-ECO 501

Total Marks:50
External marks:40
Internal Marks:10
Total Marks: 50
Credit :2

Note:

- (i) FIVE Questions will be set in all and students will be required to attempt THREE questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A &B,comprising 6 and 4 marks respectively.All Qs of PART-A and 2 Qs out of 4from part-B are to be attempted
- (iii) For the remaining TWO questions, students will attempt the questions not more than one from the four units (15 marks each)

Content	Learning objectives
UNIT-I 1.1. Importance of the Study of International Economics 1.2.Inter-Regional and International Trade	1.1&1.2 Objective is to impart the students the basic knowledge and introduction about International economics, and Basis and causes of international trade
UNIT-II 2.1.Trade as an Engine of Economic Growth 2.2.Terms of Trade (Meaning and Measurement) Offer curve approach to terms of trade	2.1 The students are expected to be introduced to role of trade in economic development; with role and importance of trade as a drive to growth 2.2 Aim is to make the students learn about terms-of –trade, nature, significance,and reciprocal demand as approach for equilibrium terms of trade
UNIT -III 3.1. Concepts and Components of Balance of Payments 3.2.Causes and Consequences of Dis-equilibrium in the Balance of Payments	3.1 Objective is to give an understanding to the students about balance-of-payments, composition, nature of constituent items. 3.2 The students are expected to learn about meaning and types in disequilibrium in the balance of payments,and corrective measures
UNIT-IV 4.1.Functions and Achievements of WTO 4.2.Impact of WTO on Industry, Agriculture and Services	4.1&4.2 Aim is to make the students apprised of WTO,itsorganization,functions,and various agreements

Sectors of Indian Economy	with WTO, and extent of effect on Indian economy
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OVERVIEW OF OUTCOMES

CORE COURSE- INTERNATIONAL ECONOMICS

After the successful completion of the course, the students will be able to

Course Objective #

502.1 Have understanding about nature and subject-matter of International economics; nature of domestic and foreign trade Causes and extent of trade

502.2 Have perception about reciprocal demand, and its role in International trade, terms of trade, equilibrium; and trade as Development stimulant

502.3 Have knowledge about nature and composition of balance of payments, corrective measures,

502.4 Have understanding about nature, organization, functions of WTO Role in trade promotion and settlement of trade issues

CORE-COURSE- INTERNATIONAL ECONOMICS

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
502.1	2	2	1	2	1	2	1	3	2	2	1
502.2	3	3	2	2	1	1	1	3	2	3	1
502.3	2	2	1	2	2	2	1	3	1	2	2
502.4	3	3	1	2	2	2	1	3	2	3	1
Average	2.5	2.5	1.25	2	1.75	1	1	3	1.75	2.5	1.25

Basic Reading List

- Chacholiades, M. (1990), International Trade: Theory and Policy, McGraw Hill, Kogkusha, Japan.
- Cherunilam, F. (2008): International Economics, The Tata McGraw-Hill Companies, New Delhi. 5th Ed.
- Dunn R.M. and J.H. Mutt (2000), International Economics, Routledge, London.
- Kindlberger, C P (1991): International Economics, R D Irwin, Homewood. 8th Ed.
- Krugman, P.R. and Obstfeld, M. (1994), International Economics: Theory and Policy, Glenview, Foresman.
- Mishra, S.K. and Puri, V.K. (2012), Indian Economy- Its Development Experience, Himalaya Publishing House. 30th Revised Ed.

- Salvator, D L (2001): International Economics, Prentice Hall, Upper Saddle River, New York.
- Soderston, Bo. (1999), International Economics, The Macmillan Press Ltd. London.
- Yarbough, R.J. (1999), International Economics, International Thompson Publishing, New York.

Bachelor of Arts Economics (Sem. V)

Indian Economy-I

DSC-1B-ECO 502

External marks:120

Internal Marks:30

Total Marks: 150

Credit :6

Time: 3 hours

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I Developing Economy 1.1 Capitalist, Socialist & Mixed economy. 1.2 Developed and Developing Economy – Concepts 1.3 Basic Characteristics of Indian Economy as a Developing Economy. 1.4 Comparison of Indian Economy with Developed Economies 1.5 Major Issues of Development in India- Regional and economic inequalities	1.1&1.2 Objective is to acquaint the students with Developing Economy under free market capitalism and socialistic set up; and distinction between a developed and a developing economy 1.3,&1.4 To introduce the students about Indian economy, its present nature. How as a transition economy India economy matches up with developed economies and developing economies. 1.5 Objective is to apprise the students with major development issues the Indian economy is facing at present.
UNIT-II Population 2.1. Theory of Demographic Transition. 2.2. Size and Growth of Population. 2.3. Features of Indian Population 2.4. Causes of Population growth;Demographic dividend. 2.5. Problems of Over Population 2.6. Measures for Population Control. 2.7. Population Policy 2005 onward	2.1,2.2,2.3&2.4 The students are expected to be introduced to demography, and demographic transition theory in general, and its relevance to India. A general idea about the Population of India and the trend of key demographic variables 2.5&2.6 Aim is to make the students learn about over-population, its extent, implications and ways to control the overpopulation. 2.7 The students are expected to learn about Population policy 2005, and rationale of the population policy measures
UNIT -III Poverty and Unemployment 3.1. Meaning and Concepts of Poverty. 3.2. Poverty line- Need	3.1,3.2&3.3 Aims at making students learn about poverty ,its nature, types of poverty .Students are expected to learn the

<p>of Redefining. 3.3. Measurement of Poverty. 3.4. Causes of Poverty. 3.5.Measures of Eradication of Poverty. 3.6.Unemployment – Nature, Types, Causes & Measures</p>	<p>implications of various methods of measurement of poverty</p> <p>3.4&3.5 The students are expected to get the understanding of genesis and diagnostics of poverty, and efficacy of measures and approach to alleviate the poverty in India</p> <p>3.6 Laerning objective of this content is acquaint the students about the problem of unemployment, its measurement, nature & scope, and employment policy initiatives by the government.</p>
<p>UNIT-IV Agriculture 4.1.Place of Agriculture in Indian economy. 4.2.Agricultural Productivity – Causes of Low Productivity & Measures. 4.3.GreenRevolution,GM crops and Organic farming 4.4.Sources of Agricultural Finance. 4.5.Agricultural Marketing – Defects & Measures. 4.6.Special Economic Zone- Concept, Features, Problems</p>	<p>4.1,4.2&4.3</p> <p>Aim is to make the students apprised of the Agriculture, its role, trends of productivity in agriculture. Allied objective is to make the students know about the phenomenal rise in agri-output in late 60's, namely the green revolution in India and new cropping techniques</p> <p>4.4&4.5 The students are expected to learn about the mechanism of Agricultural finance, and Agri-marketing, problems and challenges.</p> <p>4.6 The students are to be imparted knowledge about meaning & rationale of SEZs in agriculture, prospects and challenges.</p>

**OVERVIEW OF OUTCOMES
CORE COURSE- INDIAN ECONOMY-1**

After the successful completion of the course,the students will be able to

Course Objective #

501.1 Have understanding about developing and developed economy Indian economy as a developing economy, comparison with developed economies, crucial points about development issues of Indian economy

501.2 Have perception and appreciation about demography of Indian economy, stages of demographic transition, implications; Population policy and dynamic changes, trends and policy measures.

501.3 Have knowledge about nature and measurement of poverty in India, poverty alleviation efforts, plans and schemes; nature and causes of unemployment, trends, programs and schemes of employment generation, efficacy and restructuring of schemes

501.4 Have understanding about nature, productivity trends and changes in Indian agriculture, new techniques, Agricultural credit, Agricultural marketing, development effort through special economic zones

CORE-COURSE- INDIAN ECONOMY-1

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
501.1	3	3	1	2	1	2	1	3	2	2	1
501.2	3	3	2	2	1	1	1	3	2	3	1
501.3	3	3	1	2	2	2	1	3	1	2	2
501.4	3	3	1	2	2	1	1	3	2	3	1
Average	3	3	1.25	2	1.5	1.51	1	3	1.75	2.5	1.25

Suggested Readings:

1. Datt, Gaurav and Mahajan, Ashwani “Dutt&Sundharam Indian Economy” S. Chand & Company (Latest Ed.).
2. Dhar, P.K. “Indian Economy – Its Growing Dimensions” Kalyani Publishers (Latest Ed.).
3. Goel, M.M. (2014): Indian Economy Long Term Challenges & Policy Measures, Monograph N.91, A GunaGauravNyas Publications Think Line
4. Goel, M.M. (2012) “Economics of Human Resource Development in India” VK Global Publications
5. Government of India, Economic Survey (Annual), Ministry of Finance, New Delhi.
6. Government of India, Planning Commission; Five Year Plan Document.
7. Kapila, Uma “Indian Economy: Performance and Policies” Academic Foundation, New Delhi (Latest Edition).
8. Kapila, Uma “Indian Economy since Independence” Academic Foundation, New Delhi (Latest Edition).
9. Mishra S. K. and Puri, V. K. “Indian Economy”, Himalaya Publishing House (Latest Ed.)
10. Monthly Issues of Journals “Kurukshetra” and “Yojana”.

Bachelor of Arts Economics (Sem. V)
Economics of Development-I
GE-1 B ECO- 503

External marks:120
Internal Marks:30
Total Marks: 150
Credit :6
Time: 3 hours

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<p>UNIT-I</p> <p>1.1. Economic Growth and Economic Development</p> <p>1.2. Development and Underdevelopment</p> <p>1.3. Approaches to Economic Development</p> <p>1.4. Factors affecting Economic Growth</p>	<p>1.1&1.2 Objective is to introduce the students to the basic concepts about Economic Growth & Economic development, under-development</p> <p>1.3&1.4 The content is meant to describe and discuss the approaches to economic development, its determinants</p>
<p>UNIT-II</p> <p>2.1. Poverty — Absolute and Relative; Measuring Poverty – Head Count and Poverty gap</p> <p>2.2. Vicious Circle of Poverty</p> <p>2.3. Human Development Index (HDI) and other Indices of Development and Quality of life</p> <p>2.4. Population Problem and Growth Pattern of Population in Developing Countries</p>	<p>2.1&2.2 The students are expected to be introduced to the concept of poverty, its measurement, as well as the nature of poverty process as self-cumulative.</p> <p>2.3&2.4 Aim is to make the students learn about nature and measurement of regional backwardness, as well as the quantity & quality of human resources, growth patterns with regard to India</p>
<p>UNIT -III</p> <p>3.1. Traditional Measures of Economic Development – National Income, Per Capital Income</p> <p>3.2. UNDP Indices for Measurement of Development</p> <p>3.3. Classical Theory of Development- Adam Smith and Marx</p>	<p>3.1&3.2 Objective is to give an understanding to the students about traditional measures of economics development, and contemporary development measures.</p> <p>3.3&3.4 The students are expected to learn about development process under classical framework of assumptions and concepts, as well as described</p>

	by Karl Marx.
UNIT-IV 4.1. Steady State Growth - An Introduction 4.2. Growth models — Harrod and Domar 4.3. Growth model of Schumpeter 4.4. Cambridge Model of Growth – Joan Robinson	4.1&4.2 Aim is to make the students apprised of the nature of growth process in terms of models given by Harrod and Domar 4.3&4.4 The students are expected to learn about various reactions against classical theory of growth in terms of models by Schumpeter and J Robinson.They must be able to have perception about the key implications,and comparison of the models

OVERVIEW OF OUTCOMES

CORE COURSE- ECONOMICS OF DEVELOPMENT-1

After the successful completion of the course, the students will be able to Course Objective #

503.1 Have understanding about nature of economic growth and Economic development, underdevelopment, Factors of economic development

503.2 Have perception about nature and process of poverty, measurement physical quality of life, Human development Index, Population growth pattern of developing economies: Problems and policies;

503.3 Have knowledge about measurement of economic development, traditional measures of development, United Nations' development Programme (UNDP's) concepts and initiatives about development measures, Classical theory of development

503.4 Have understanding about steady-state growth and growth models- Harrod-Domar's, Schumpeter's, Robinson's

CORE-COURSE- ECONOMICS OF DEVELOPMENT-1

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
503.1	3	3	1	2	1	2	1	1	2	2	1
503.2	3	3	2	2	1	1	2	1	2	3	1
503.3	3	3	1	2	2	2	1	1	1	2	2
503.4	3	3	1	2	2	2	1	2	2	3	1
Average	3	3	1.25	2	1.5	1.75	1.25	1.25	1.75	2.5	1.25

Suggested Readings

- Adelman, I. (1961), Theories of Economic Growth and Development, Stanford University Press, Stanford.

- Behrman, S. and T.N. Srinivasan (1995), Handbook of Development Economics, Vol. 1 to 3, Elsevire, Amsterdam.
- Ghatak, S. (1986), An Introduction to Development Economics, Allen and Unwin, London.
- Hayami, Y. (1997), Development Economics, Oxford University Press, New York.
- Higgins, B. (1959), Economic Development, Norton, New York.
- Kindleberger, C.P. (1977), Economic Development, 3e, McGraw Hill, New York.
- Meier, G.M. (1995), Leading Issues in Economic Development, 6e, Oxford University Press, New Delhi.
- Myint, Hla(1965), The Economics of Underdeveloped Countries, Preager, New York.
- Myint, Hla(1971), Economic Theory and Under Developed Countries, Oxford University Press, New York.
- Thirlwal, A.P. (1999), (6th Edition), Growth and Development, Macmillan, London.

Bachelor of Arts Economics (Sem.VI)
Public Economics
SEC-4-Elective 1-B-ECO-601

External marks:40
Internal Marks:10
Total Marks: 50
Credit :2

Note:

- (i) FIVE Questions will be set in all and students will be required to attempt THREE questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A &B, comprising 6 and 4 marks respectively. All Qs of PART-A and 2 Qs out of 4 from part-B are to be attempted
- (iii) For the remaining TWO questions, students will attempt the questions not more than one from the four units (15 marks each)

Content	Learning objectives
UNIT-I Meaning and Scope of Public Finance 1.1.Public Finance- Meaning and Scope 1.2.Public Goods .Private Goods, Mixed Goods and Merit Goods (Concept Only)	1.1 Objective is to introduce the students to the basic knowledge and concepts about Public finance, and principles of resource allocation 1.2 The content is meant to describe the types and nature of public goods and mixed goods
UNIT-II Public Expenditure 2.1.Meaning and Importance 2.2.Canons of Public Expenditure .Effects of Public Expenditure	2.1 The students are expected to be introduced to Public expenditure, its types and significance(conceptual and applied) 2.2 Aim is to make the students learn about good standards of public expenditure, and effects on various activities in the economy.
UNIT -III 3.1. Public revenue:Sources.Taxes – Classification of Taxes .Canons of Taxation .Ability to Pay and Benefit Approach 3.2. Incidence and Shifting of Tax burden .The Concept of Goods and Service Tax (GST).	3.1 Objective is to give an understanding to the students about Public revenue, its sources, types of taxes, and standards of a good taxation system. 3.2 The aim is to make the students understand the incidence and impact of taxation,and measurement. The objective of this item is make the students advertent about GST,its true nature, conceptual and applied significance
UNIT-IV	4.1,

<p>4.1. Public Debt;Meaning, Types of Public Debt and methods of debt redemption</p> <p>.4.2 .Meaning & Types of Budget .Revenue Deficit, Fiscal Deficit, Primary Deficit .Budget Deficit</p>	<p>Aim is to make the students apprised of Public debt ,methods of debt re-payment,</p> <p>4.2 The students are expected to learn about various kinds of budget deficits, measurement and their relative significance.</p>
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OVERVIEW OF OUTCOMES

CORE COURSE- **Public Economics**

After the successful completion of the course, the students will be able to

Course Objective

602.1 Have understanding about meaning & scope of public finance, ;notions about public goods, private goods, merit goods and mixed goods

602.2 Have perception about nature and types of public expenditure, canons, Effects of public expenditure on various economic activities

602.3 Have knowledge about public revenue, Ability to pay and benefit approach, Incidence and Impact of taxation, nature of Goods & Services tax

602.4 Have understanding about public debt, Budget, composition, types and nature of various types of deficits

CORE-COURSE- PUBLIC FINANCE

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
602.1	2	2	1	2	1	2	1	1	2	1	1
602.2	3	3	2	2	1	1	2	1	2	1	1
602.3	3	2	2	3	2	2	1	1	1	2	2
602.4	2	3	2	2	2	2	1	1	2	1	1
Average	2.5	2.5	1.75	2.25	1.5	1.5	1.75	1	1.75	1.5	1.25

Suggested Readings

1. R.A Musgrave and PB Musgrave – Public finance – Tata McGrawhill
2. GovindaRao and Singh – Political Economy of Federalism in India- Oxford.
3. GovindaRao – State Finances in India Issues and Challenges (Article) EPW- 03-08- 2012.
4. Shankar Acharya – Thirty Years of Tax Reforms in India (Article) EPW -14-05-1995.

Bachelor of Arts Economics (Sem-VI)
Indian Economics-II
DSC-2 Elective 1 B-ECO-602

External marks:120
Internal Marks:30
Total Marks: 150
Credit :6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I Industry&Services 1.1 Role of Industrialisation. 1.2 Industrial Policy-1991 onwards 1.3 New Economic reforms-concepts i- Liberalisation ii-Privatisation iii-Globalisation 1.4 Small&largeIndustry-Growth&problems 1.5 Growth of knowledge-based industry- IT,Software,Consultancy	1.1&1.2 Objective is to acquaint the students with role of Industrialisation& Indian policy 1.3,&1.4 To introduce the students about economic reforms in Indian economy, its present undercurrents,and Small scale Industries' problems&prospects 1.5 Objective is to apprise the students with major developments in knowledge based industry in India- IT,Software and Consultancy.
UNIT-II Labour 2.1.Meaning&classification of labour market 2.2. Characteristics of Industrial labour and agricultural labour 2.3. Industrial Disputes:causes,measures for settlement 2.4. Social Security measures in &new labour code in India	2.1,2.2,2.3&2.4 The students are expected to be introduced to Labourmarket,its nature in relevance to India. A general idea about Industrial disputes and social security measures in India
UNIT -III Planning 3.1.Meaning,concepts,needs,objectives 3.2.Types of Planning-merits&demerits 3.3 Objectives,achievements,failures of Five year plans 3.4. NITI Ayog and new planning perspective	3.1,3.2,3.3&3.4 Aims at making students learn about planning in India ,its nature, types of planning and evaluation of plans and planning system .Students are expected to know updates about the objectives of current plan.
UNIT-IV External sector	4.1,4.2&4.3

<p>4.1.Trends&composition of India’s imports 4.2.Trends&direction of India’s exports 4.3.Latest EXIM policy of India in relation to trade liberalization,and its impact 4.4. FDI,FII and MNCs in India. 4.5. External borrowings&BoP problem in India 4.6.International Institutions (IMF, WB, WTO) and the Indian Economy.</p>	<p>Aim is to make the students apprised of the Foreign trade of India,compostion&trends of Imports&exports,EXIM policy measures and thrust areas 4.4&4.5 The students are expected to learn about FDI,FII trends and MNCs’ role and relevance. 4.6 The students are to be imparted knowledge about organization, functions,role of IMF,WB,WTO in relation to Indian economy</p>
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OVERVIEW OF OUTCOMES

CORE COURSE- Indian Economics-II

After the successful completion of the course, the students will be able to Course Objective #

601.1 Have understanding about Industrialisation in India,growth of Small ,large and knowledge-based industry in India

601.2 Have perception about natureofIndianlabourmarket,Industrialdisputes and social security measures ,and new labour code in India

601.3 Have knowledge about Planning in India,plan process andmechanism, evaluation of plan system ,NITI aayog and new planning perspective .

601.4 Have understanding about Foreign trade of India,Balance of Payments issues,functions&role of International monetary and tradeinstitutions.

CORE-COURSE- INDIAN ECONOMY-2

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
601.1	3	3	1	2	1	2	1	1	2	1	1
601.2	3	3	2	2	1	1	2	1	2	1	1
601.3	3	3	2	2	2	2	1	1	1	2	2
601.4	3	3	2	2	2	2	1	1	2	1	1
Average	3	3	1.75	2	1.5	1.75	1.25	1	1.75	1.5	1.25

Suggested Readings:

1. Datt, Gaurav and Mahajan, Ashwani “Dutt&Sundharam Indian Economy” S. Chand & Company (Latest Ed.).

2. Dhar, P.K. “Indian Economy – Its Growing Dimensions” Kalyani Publishers (Latest Ed.).

3. Goel, M.M. (2014): Indian Economy Long Term Challenges & Policy Measures, Monograph N.91, A GunaGauravNyas Publications Think Line
4. Goel, M.M. (2012) “Economics of Human Resource Development in India” VK Global Publications
5. Government of India, Economic Survey (Annual), Ministry of Finance, New Delhi.
6. Government of India, Planning Commission; Five Year Plan Document.
7. Kapila, Uma “Indian Economy: Performance and Policies” Academic Foundation, New Delhi (Latest Edition).
8. Kapila, Uma “Indian Economy since Independence” Academic Foundation, New Delhi (Latest Edition). 9. Mishra S. K. and Puri, V. K. “Indian Economy”, Himalaya Publishing House (Latest Ed.)
10. Monthly Issues of Journals “Kurukshetra” and “Yojana”.

Bachelor of Arts Economics (Sem. VI)
Economics of Development-II
GE-2 B-ECO-603

External marks:120
Internal Marks:30
Total Marks: 150
Credit :6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.

(ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted

(iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<p>UNIT-I</p> <p>1.1. Structural Shifts with Economic Development 1.2. Relative importance of Agriculture, Industry and Services 1.3. Role of Infrastructure in Economic Development; Development gap and convergence hypothesis</p>	<p>1.1&1.2 Objective is to introduce the students to the structural changes during Growth & Economic development 1.3&1.4 The content is meant to describe and discuss the role of infrastructure in economic development and growth, and could developing countries catch up with growth rates of developed countries</p>
<p>UNIT-II</p> <p>2.1. Trade and Development – Free trade vs Protection; Tariffs and Non-tariff barriers to trade 2.2. Export Promotion and Import Substitution 2.3. Trade as an Engine of Growth 2.4. Terms of Trade and secular deterioration in terms of trade for less developed countries.</p>	<p>2.1&2.2 The students are expected to be introduced to the linkages between Trade and economic development as well as the nature and working of tariffs and quotas for import substitution. 2.3&2.4 Aim is to make the students learn about nature and significance of trade as a drive to economic growth, as well as the conceptual and applied significance of Terms-of-trade, and also how the terms of trade moved against Less developed countries</p>
<p>UNIT -III</p> <p>3.1. Environment-Economy Linkage 3.2. Management of Common Property Resources 3.3. Prevention, Control and Abatement of Pollution 3.4. Sustainable Development: Concept and Indicators</p>	<p>3.1,3.2&3.3 Objective is to give an understanding to the students about linkage of environment and development, Environment resource management, as well as pollution control measures. 3.4 The students are expected to learn about sustainable development, concepts and indicators of sustainable development.</p>
<p>UNIT-IV</p> <p>4.1. Capital and Technical Progress 4.2 Capital, labor saving and neutral technical progress 4.3. Investment in human capital: education & women education.</p>	<p>4.1&4.2 Aim is to make the students apprised of the capital and its relationship to technical progress; types of technical progress 4.3 The students are expected to learn about Human</p>

	resource development through education and women education
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OVERVIEW OF OUTCOMES

CORE COURSE- ECONOMICS OF DEVELOPMENT-2

After the successful completion of the course, the students will be able to Course Objective #

603.1 Have understanding about structural changes in development process,relative importance of three sectors,dynamics of changes, infrastructure sector and development gap.

603.2 Have perception about nature and process of trade and its role in economicdevelopment,gainsfrom trade;terms of trade,tradepolicies,protectionist measures as import substitution.

603.3 Have knowledge about environment-economy linkage,Managementof common property resources,Sustainable development goals and strategies.

603.4 Have understanding about role of capital and technical progress,Investment in human capital and gains from women education.

CORE-COURSE- **Economics of Development-II**

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
603.1	3	3	1	2	1	2	1	1	2	1	1
603.2	3	3	2	2	1	1	2	1	2	1	1
603.3	3	3	2	2	2	2	1	1	1	2	2
603.4	3	3	2	2	2	2	1	1	2	1	1
Average	3	3	1.75	2	1.5	1.75	1.25	1	1.75	1.5	1.25

Suggested Readings

- Adelman, I. (1961), *Theories of Economic Growth and Development*, Stanford University Press, Stanford.
- Behrman, S. and T.N. Srinivasan (1995), *Handbook of Development Economics*, Vol. 1 to 3, Elsevier, Amsterdam.
- Ghatak, S. (1986), *An Introduction to Development Economics*, Allen and Unwin, London.
- Hayami, Y. (1997), *Development Economics*, Oxford University Press, New York. • Higgins, B. (1959), *Economic Development*, Norton, New York. • Kindleberger, C.P. (1977), *Economic Development*, 3e, McGraw Hill, New York.
- Meier, G.M. (1995), *Leading Issues in Economic Development*, 6e, Oxford University Press, New Delhi. • Myint, Hla(1965), *The Economics of Underdeveloped Countries*, Preager, New York.
- Myint, Hla(1971), *Economic Theory and Under Developed Countries*, Oxford University Press, New York.
- Thirlwal, A.P. (1999), (6th Edition), *Growth and Development*, Macmillan, London.

KURUKSHETRA UNIVERSITY, KURUKSHETRA
(Established by the State Legislative Act XII of 1956)
("A+" Grade, NAAC Accredited)

Scheme of Examination of B.A. (Hons.) in Economics Semester 1st to Semester 6th w.e.f. Session 2020-2021, Under Choice Based Credit System/LOCF in phased manner for the regular students of Institute of Integrated and Honors Studies, K.U. Kurukshetra.

Semester	Course Code	Course Name	Credit	Teaching Hour per week	Scheme of Examination			Time
					Theory	Internal Assessment	Total Marks	
Ist	CC-1 H-ECO-1001	Micro Economics-I	6	6	120	30	150	3
	CC-2 H-ECO-1002	Macro Economics-I	6	6	120	30	150	3
	AECC-1	English Communication/MIL Communication/EVS (As per respective Department)	2	2	40	10	50	2
	GE-1	English/Hindi (As per respective Department)	6	6	120	30	150	3
IInd	CC-3 H-ECO-2001	Micro Economics-II	6	6	120	30	150	3
	CC-4 H-ECO-2002	Macro Economics-II	6	6	120	30	150	3
	AECC-2	English Communication/MIL Communication/EVS (As per respective Department)	2	2	40	10	50	2
	GE-2	English/Hindi (As per respective Department)	6	6	120	30	150	3
IIIrd	CC-5 H-ECO-3001	Money & Banking	6	6	120	30	150	3
	CC-6 H-ECO-3002	Mathematics For Economics	6	6	120	30	150	3
	CC-7 H-ECO-3003	History of Economic Thought	6	6	120	30	150	3
	SEC-1	Computer Science Level-1/ Personality Development/MOOC (As per respective Department)	2	2	40	10	50	2
	GE-3	English/Hindi (As per respective Department)	6	6	120	30	150	3

IVth	CC-8 H-ECO-4001	Public Economics	6	6	120	30	150	3
	CC-9- H-ECO-4002	Statistics for Economics	6	6	120	30	150	3
	CC-10 H-ECO-4003	Environment Economics	6	6	120	30	150	3
	SEC-2	Computer Science Level-1/ Personality Development/MOOC (As per respective Department)	2	2	40	10	50	2
	GE-4	English/Hindi (As per respective Department)	6	6	120	30	150	3
Vth	CC-11 H-ECO-5001	Development Economics & Planning-I	6	6	120	30	150	3
	CC-12- H-ECO-5002	Issues in Indian Economy	6	6	120	30	150	3
	DSE-1 H-ECO-5003	Introductory Econometrics	6	6	120	30	150	3
	DSE-2 H-ECO-5004	Comparative Economic Development	6	6	120	30	150	3
	GE-5	English/Hindi (As per respective Department)	6	6	120	30	150	3
VIth	CC-13 H-ECO-6001	Development Economics & Planning-II	6	6	120	30	150	3
	CC-14- H-ECO-6002	International Economics	6	6	120	30	150	3
	DSE-3 H-ECO-6003	Economics of Finance	6	6	120	30	150	3
	DSE-4 H-ECO-6004	Economics of Health & finance	6	6	120	30	150	3
	GE-6	English (As per respective Department)	6	6	120	30	150	3

*Workload=1 Hour of teaching / 2 hours of practical work = 25 marks

*MIL stands for Modern Indian Languages

*GE: Generic Elective@ 6 credits. Available in English only(As per respective Department)

*CC: Core courses are fourteen @ 6 credits per semester.

*AECC: Ability Enhancement Compulsory Course are two @ 2 credits per Semester. (Available in Sem. 1 and Sem. 2) (As per respective Department)

*SEC: Skill Enhancement Course is four. @ 2 credits per semester, exist in Sem. 3 and Sem. 4(As per respective Department)

*DSE: Discipline Specific Elective are four @ 6 credits per semester. Available in Sem. 5 &Sem. 6

*General elective may be other than economics.

KURUKSHETRA UNIVERSITY, KURUKSHETRA
(Established by the State Legislative Act XII of 1956)
(“A+” Grade, NAAC Accredited)

Scheme and Syllabus of Examination of B.A Economics (Honors) Semester 1st to Semester 6th w.e.f. Session 2020-2021, Under Choice Based Credit System/LOCF in phased manner for the regular students of Institute of Integrated and Honors Studies, K.U. Kurukshetra.

PROGRAMME OUTCOMES (POs) for UG course of Economics

- 1- To develop skills in graduate students so that they are able to acquire theoretical and practical knowledge about economics, economy, economic behavior, economic policies and economic institutions and economic problems.
- 2- To inculcate ability in students for critical thinking, lateral thinking about economic phenomena, problems and policies so as to create professional potential in them
- 3- To create awareness on ethical issues, good business practices, and ecology-economics interface
- 4- To develop ability in youth for understanding basic economic rationality and effective communication skills
- 5- To prepare youth for career in teaching, industry, government organizations and self-entrepreneurship
- 6- To make students aware of natural resources, sustainable use and environment
- 7- To provide learning experience in students that instills deep interest in economic science for the benefit of society.

PROGRAMME SPECIFIC OUTCOMES (PSOs) for UG course in Economics (Honors)

PSO1: demonstrate the knowledge and understanding of economic science i.e vital processes of economy, consumer and producer behavior at micro level and macro-level

PSO2: critically think and correlate the economics knowledge with decision-making with regard to economic planning and economic policies, understanding of conflicts and tradeoffs and welfare implications of economic measures to improve the quality of life in person as well as of community.

PSO3: demonstrate an understanding of the principles, methods of economic analysis in static and dynamic terms, analysis of economic data

PSO4: concise and meaningful writing and reporting, effective presentation skills, and ability to work productively in a group with co-operation

B.A. Honors (Economics)
Semester-1
Micro Economics-I
CC-1 H-ECO-1001

External marks:120
Internal Marks:30
Total Marks: 150
Time: 3 hours
Credits:6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & Comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I (i-a) Introduction Nature and Scope of Economics, Methodology of Economics Choice as an economic problem, and Production Possibility Frontier (i-b) Demand analysis Law of demand, Elasticity of demand (Price, Income & cross); degrees & measurement, determinants & Importance	i-a To introduce the students about microeconomics, its nature, scope, importance; Choice as basic economic problem, and production possibility frontier The aim is to make students attuned with economics as introduced at fresher's level, its subject-matter, and its nature. Also to make a student learn about the basic economic problem of choice and production possibility frontiers i-b is meant to make student acquainted with consumer behavior in terms of law of demand, and Elasticity of demand

<p>UNIT-2</p> <p>(ii-a) Consumer Behaviour Cardinal & ordinal utility analysis, and consumer equilibrium, Revealed Preference hypothesis</p> <p>(ii-b) Consumer's Surplus Concepts & measurement (cardinal & ordinal), Compensating Variation Principle, Importance of the concept</p>	<p>ii-a Objective is to acquaint the students with laws relating to consumption, and approaches to consumer's behavior: Neo-classical, and later developments</p> <p>ii-b The contents under this section are designed to make students learn about the Consumer's surplus, and the measurement by different approaches.</p>
<p>UNIT-3</p> <p>(iii-a) Producer's behavior Law of Variable Proportions, Returns to scale, Characteristics of Isoquants, Ridge lines, Least cost combination of factors, Internal and External, Economies & diseconomies</p> <p>(iii-b) Supply Law of supply, movements and shifts in supply curve, elasticity of supply (degrees, measurement and importance)</p>	<p>iii-a The contents under this section are designed to make students learn about the producer or firm's behaviour as laws of returns in short-period and long period, and least cost combinations, along with economies of scale</p> <p>iii-b A general idea about the supply and supply law, changes in supply, and sensitivity of supply to price</p>
<p>UNIT-4</p> <p>(iv-a) Cost Analysis Concepts of costs and their inter-relationship, Short-period costs and Long period costs, Modern theory of costs</p> <p>(iv-b) Revenue Concepts of Revenue; total, average and marginal Revenue and their relationships, Break-even analysis & its uses</p>	<p>iv-a Objective is to make students' exposure to costs, and behavior of costs-short-period and long-period, with traditional and modern view</p> <p>iv-b The students are expected to learn about revenue concepts and their relationships, and break-even analysis of a firm</p>

Overview of Outcomes

Core Course- Microeconomics-1

After the successful completion of the course, the students will be able to Course Objective #

1001.1 Have insight about the economics, the economic problem and consumer behavior in terms of demand and its elasticity

1001.2 Have further understanding of consumer behavior in terms of indifference curves, revealed preference, and analysis of consumer surplus

1001.3 Have knowledge about nature of production, and producer behavior in terms of laws of production, economies and diseconomies of scale, and elasticity of supply

1001.4 Have understanding about Revenue, Cost concepts & inter-relationships about costs, and revenue, break-even analysis.

Core-Course- Microeconomics-1

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
1001.1	3	3	1	2	1	2	1	3	1	2	1
1001.2	3	3	2	2	1	1	1	3	1	2	1
1001.3	3	3	1	2	2	1	1	3	1	2	1
1001.4	3	3	1	2	2	1	1	3	1	2	1
Average	3	3	1.25	2	1.5	1.25	1	3	1	2	1

Suggested Readings:

1. Paul A. Samuelson: *Micro Economics*
2. Koutsoyiannis: *Modern Micro Economics*
3. C.S Barla: *Advanced Micro Economics*
4. N.C.Ray: *An Introduction to Micro Economics*
5. Hal R. Varian: *Micro Economic Analysis*
6. Dominick Salvatore: *Micro Economic Theory*
7. H.L. Ahuja: *Modern Micro Economics*
8. M.L. Seth: *Micro Economics*
9. T.R.Jain & A.S.Sandhu : *Micro Economics*
10. Amit Sachdeva : *Micro Economics*
11. Richard G.Lipsey : *An Introduction to Positive Economics*
12. J.M.Joshi: *Theory of Value, Distribution and Welfare Economics*

BA Honors (Economics)
Semester-1
Macro Economics-I
CC-2 H-ECO-1002

External marks:120
Internal Marks:30
Total marks:150
Time: 3 hours
Credits:6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I (i-a) Introduction Nature and Scope of Macro-Economics, Difference between Micro and Macro-economics, Importance of macro-economics (i-b) National Income Concept, measurement and limitation of National income Statistics; Circular Flow of income in two, three and four sector economy	i-a Objective is to introduce the students about macroeconomics, its nature, scope, importance with the aim is to make students acquainted with macro-economics as introduced at fresher's level, its subject-matter, and its nature. i-b is meant to give a broad and indepth view of National Income concepts and measurement, and circular flow of Income
UNIT-2 (ii-a) Determination of Income and employment Classical Theory of employment, Say's law of markets and its implications, Keynesian objections to classical theory, Keynesian theory of employment	ii-a Objective is to acquaint the students with approaches relating to determination of Income and employment-Classical model, its limitations; followed by Keynes' model. The students are expected to learn the basic comparison between the two approaches

<p>UNIT-3 (iii-a) Consumption Consumption function, technical attributes of consumption, Keynes' psychological law of consumption, and its implications, External, Empirical evidence (iii-b) Income-consumption relationship Absolute & Relative Income hypothesis, Permanent income Hypothesis, Life Cycle hypothesis.</p>	<p>iii-a Objective is to make students' exposure to the concept of consumption function, and its attributes</p> <p>iii-b The students are expected to learn about Income-consumption relationship in short run and long run in terms of the various kinds of Income-Absolute Income, Relative Income, Permanent Income and Income over life cycle.</p>
<p>UNIT-4 (iv-a) Investment Function Types of Investment, determination of level of investment, Marginal Efficiency of Capital (iv-b) Theories of Investment Classical and Keynesian Theory of Investment (Marginal Efficiency of Investment), Saving-investment equality</p>	<p>iv-a aims at pupils' understanding of macroeconomic aggregate of investment; factors which determine investment, and MEC and its role.</p> <p>iv-b Objective is to make students learn about different approaches to investment or capital stock adjustment; and about the mechanism of saving –investment</p>

Overview of Outcomes

Core Course- Macroeconomics-1

After the successful completion of the course, the students will be able to

Course Objective

- 1002.1 Have insight about the macroeconomics, national income, concepts and measurement
- 1002.2 Have further understanding of economy in terms of equilibrium level of income employment-classical and Keynesian approach
- 1002.3 Have knowledge about nature of consumption function, and Consumption-income relationship in short and long run
- 1002.4 Have understanding about Capital, investment function, decision to invest, and theories of investment

Core-Course- Macroeconomics-1

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
1002.1	3	3	1	2	1	2	1	3	1	2	1
1002.2	3	3	2	2	1	1	1	3	1	2	1
1002.3	3	3	1	2	2	1	1	3	1	2	1
1002.4	3	3	1	2	2	1	1	3	1	2	1
Average	3	3	1.25	2	1.5	1.25	1	3	1	2	1

Suggested Readings:

1. Lipsey R.G. and K.A. Chrystal (1999) “Principles of Economics”, 9th Ed., Oxford University Press.
2. Ackley, G (1978), “Macroeconomics: Theory and Policy”, Macmillan, New York.
3. Branson, W. A. (1989), “Macroeconomic Theory and Policy”, 3rd Ed., Harper & Row, New York.
4. Shapiro, E (1996), “Macroeconomic Analysis” Galgotia Publication, New Delhi.
5. Stiglitz J. E. and Carl E. Walsh (2002) Principles of Macroeconomics, W.W. Norton & Company, New York.
6. Paul Samuelson and Nordhaus: (2005) “Economics” (18th Ed.) Tata Hill Publishing Company, New Dehli.
7. Mankiw N. Gregory: (2007) “Principles of Economics”, Thomson, Indian Reprint.
8. Lipsey R.G. and K.A. Chrystal (2007) “Economics”, Oxford University Press. Oxford.

B.A. Economics (Honors)
Semester-II
Micro Economics-II
CC-3 H-ECO-2001
External marks:120
Internal Marks:30
Total marks;150
Time: 3 hours
Credits:6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I (i-a) Theory of firm Market: types and equilibrium, Perfect competition: characteristics, Short and long run equilibrium of firm and industry, Supply curve (Short and long run of firm and Industry) (i-b) Monopoly: characteristics, Short and long run equilibrium of firm, Discriminating monopoly, Degree of Monopoly power	(i-a) has the objective of introducing students with elaborate view of Perfectly competitive Firm and its equilibrium in short and long-run. (i-b) aims at making the students acquainted with behavior of a monopolist under different situations. conceptual and practical implications.
UNIT-2 (ii-a) Monopolistic competition Characteristics, Short-run and long-run equilibrium of the firm; Group Equilibrium, Product differentiation and Selling Costs (ii-b) Oligopoly Non-collusive (Cournot, Bertrand and Kinked demand models), Collusive oligopoly (Cartels, Price leadership)	(ii-a) aims at giving the pupils knowledge about monopolistic competitive firm, and its behavior under different situations (ii-b) has the objective of giving knowledge about Oligopoly firm, and its pattern of behavior under collusion and non-collusion condition
UNIT-3 (iii-a) Theory of factor pricing Marginal productivity theory of	iii-a aims at developing understanding in students' mind about pricing of factors, and classical and modern approach related to

distribution;Modern Theory of Distribution,Rent,Wage,Interest,Profit (iii-b) Collective Bargaining	factor pricing.The theories to which students need to be given exposure is Ricardian theory and Modern theory of rent.
Collective Bargaining:Types,Process,Issues and Structures of bargaining,Role&Importance	iii-b This has the objective of introducing students about the elements of collective bargaining
UNIT-4 (iv-a)General Equilibrium Concepts of partial and general equilibrium, Walras'Excess Demand model,Existence,Stability and Uniqueness of General Equilibrium (iv-b) Welfare Economics Pareto Optimality Criterion,and its limitations	iv-a has the objective of explaining General equilibrium ,and its condtions to the students iv-b aims at introducing the basics of welfare economics.

Overview of Outcomes

Core Course- Microeconomics-II

After the successful completion of the course, the students will be able to

Course Objective

2001.1 Have insight about the theory of firm under perfect competition and monopoly. Detailed analysis of monopolist's behaviour

2001.2 Have further understanding of imperfect markets in terms of monopolistic competition and Oligopoly.

2001.3 Have knowledge about nature of factor pricing-traditional and modern view, rate of interest and profit, as well as bargaining process

2001.4 Have understanding about General equilibrium and elementary welfare economics.

Core-Course- Microeconomics-II

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
2001.1	3	3	1	2	1	2	1	3	1	2	1
2001.2	3	3	2	2	1	1	2	3	1	2	1
2001.3	3	3	1	2	2	1	2	3	1	2	1
2001.4	3	3	1	2	2	1	2	3	1	2	1
Average	3	3	1.25	2	1.5	1.25	1.75	3	1	2	1

Suggested Readings:

1. *Paul A. Samuelson: Micro Economics*
2. *A Koutsoyiannis: Modern Micro Economics*
3. *C.S Barla: Advanced Micro Economics*
4. *N.C.Ray: An Introduction to Micro Economics*
5. *Hal R. Varian: Micro Economic Analysis*
6. *Dominick Salvatore: Micro Economic Theory*
7. *H.L. Ahuja: Modern Micro Economics*
8. *M.L. Seth: Micro Economics*
9. *T.R.Jain &A.S.Sandhu : Micro Economics*
10. *Amit Sachdeva : Micro Economics*
11. *Richard G.Lipsey : An Introduction to Positive Economics*
12. *J.M.Joshi: Theory of Value, Distribution and Welfare Economics*

B.A. Economics(Honors)
Semester-II
Macro Economics-II
CC-4 H-ECO-2002

External marks:120
Internal Marks:30
Total marks:150
Time: 3 hours
Credits:6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I (i-a) Keynesian multiplier Concept, Relation between Relation between Multiplier, MPC & MPS, Comparative static and dynamic process, Working of multiplier in UDCs (i-b) Acceleration principle and working of super-multiplier	(i-a) has the objective of introducing students with elaborate view of Investment multiplier process (i-b) aims at making the students acquainted with behavior of acceleration effect of output on induced investment
UNIT-2 (ii-a) Determination of general price level Classical and Keynesian theory of Money & prices; Inflation: types-cost push & demand pull inflation, Effects (ii-b) Inflation-unemployment trade-off (Phillips' contribution-introductory version)	(ii-a) aims at giving the pupils knowledge about Value of money and its fluctuations in terms of Inflation. (ii-b) has the objective of giving knowledge about inflation-unemployment relationship and trade off in terms of Phillips' explanation.

<p>UNIT-3</p> <p>(iii-a) Rate of Interest Keynesian and IS-LM theories of interest rate</p> <p>(iii-b) Macro-economic policies Monetary&Fiscal Policies (objectives, Instruments, policy-mix,limitations)</p>	<p>iii-a aims at developing understanding in students' mind about Keynesian theory of interest and IS-LM approach to equilibrium in money and real market.pricing.</p> <p>iii-b has the objective of introducing the students about mechanism of Monetary and Fiscal policies,and approaches to the mixing of these policies.</p>
<p>UNIT-4</p> <p>(iv-a)Trade Cycles Meaning,Types, Phases & theories of trade cycles:Hicks, Samuelson, Schumpeter, Kaldor (iv-b) Control measures Countercyclical measures for trade cycles: Monetary,Fiscal and Trade Policy measures</p>	<p>iv-a has the objective of explaining Business cycles,and their theories by selected economists</p> <p>iv-a Has the objective of apprising policy measures about trade cycles</p>

OVERVIEW OF OUTCOMES

CORE COURSE- MACROECONOMICS-II

After the successful completion of the course,the students will be able to

Course Objective #

2002.1 Have insight about the income generation process-multiplier effect of investment and acceleration effect of changes in output

2002.2 Have further understanding about the value of money and price level in the economy,and inflation process

2002.3 Have knowledge about nature and determination of rate of interest,working mechanism and co-ordination of monetary and fiscal policies

2002.4 Have understanding about business fluctuations in an economy,phases of trade cycles and mechanism,policy measures

Core-Course- Macroeconomics-II

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
2002.1	3	3	1	2	1	2	1	3	1	2	1
2002.2	3	3	2	2	1	1	1	3	2	2	1
2002.3	3	3	1	2	2	1	1	3	2	2	1
2002.4	3	3	1	2	2	1	1	3	2	2	1
Average	3	3	1.25	2	1.5	1.25	1	3	1.75	2	1

Suggested Readings:

- 1 Lipsey R.G. and K.A. Chrystal (1999) "Principles of Economics", 9th Ed., Oxford University Press.
2. Ackley, G (1978), "Macroeconomics: Theory and Policy", Macmillan, New York.
3. Branson, W. A. (1989), "Macroeconomic Theory and Policy", 3rd Ed., Harper & Row, New York.
4. Shapiro, E (1996), "Macroeconomic Analysis" Galgotia Publication, New Delhi.
5. Stiglitz J. E. and Carl E. Walsh (2002) Principles of Macroeconomics, W.W. Norton & Company, New York.
6. Paul Samuelson and Nordhaus: (2005) "Economics" (18th Ed.) Tata Hill Publishing Company, New Dehli.
7. Mankiw N. Gregory: (2007) "Principles of Economics", Thomson, Indian Reprint.
8. Lipsey R.G. and K.A. Chrystal (2007) "Economics", Oxford University Press. Oxford.

B.A. Economics (Honors)
Semester-III
Money & Banking
CC-5 H-ECO-3001

External marks:120
Internal Marks:30
Total marks:150
Time: 3 hours
Credits:6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks)

Content	Learning objectives
UNIT-I (i-a) Money: functions, classification and significance. Money Supply: determinants, Alternative measures of money supply in India (concepts only), Money Multiplier (i-b) Money & Capital markets: Structure, Instruments, Role; Developed and underdeveloped money markets	(i-a) Aimed at introducing the students about fundamentals about money, and money supply in India (i-b) aims at making the students acquainted with behavior of money and capital markets, their structure, nature, mechanism and instruments of trading in these markets
UNIT-2 (ii-a) Banking: commercial banks: functions & importance, Process of credit creation. (ii-b) Reserve Bank of India: Functions; Instruments of credit control, Recent Monetary policy of RBI	(ii-a) aims at giving the pupils knowledge about banking, functions of commercial banks, and credit creation process. (ii-b) has the objective of giving knowledge about RBI, its monetary policy instruments, and review of the latest monetary policy notifications
UNIT-3 (iii-a) Financial sector: money and capital market in India: Structure, functions and significance, SEBI: powers & functions (iii-b) Non-Bank Financial Intermediaries: Role and significance; Recent Financial sector reforms in	iii-a aims at developing understanding in students' mind about money and capital market processes in Indian context, as well as the role regulatory bodies iii-b has the objective of introducing the students about mechanism of NBFIs, and policy

India	measures taken up for Financial sector reforms
UNIT-4 (iv-a) Exchange rate determination: fixed and flexible exchange rates (iv-b) Theories of exchange rates; Mint par ,Purchasing power parity,Balance of payments theory	iv-a has the objective of describing and explaining the exchange rates, nature,and role of fixed and flexible exchange rates in historical and present context iv-b Aims at explaining the determination of equilibrium exchange rates, and causes of fluctuations in exchange rates

Overview of Outcomes

Core Course- Money&Banking

After the successful completion of the course, the students will be able to Course Objective #

3001.1 Have insight about the money, money supply, Money & Capital Markets-organization,structure and working.

3001.2 Have further understanding of Banking, commercial banks functions&credit creation,RBI and credit control measures

3001.3 Have knowledge about nature of financial sector-money and capital market of India,Non-bank financial intermediaries

3001.4 Have understanding about exchange rates, and exchange rate mechanism,theories of exchange rate determination,adjustments

Core-Course- Money&Banking

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
3001.1	3	3	1	2	1	2	1	3	1	2	1
3001.2	3	3	2	2	1	1	1	3	2	2	1
3001.3	3	3	1	2	2	1	2	3	1	2	1
3001.4	3	3	1	2	2	1	2	3	2	2	1
Average	3	3	1.25	2	1.5	1.25	1.5	3	1.5	2	1

Suggested Reading:

1. Bailey Roy (2005) The Economics of Financial Markets
2. D.M. Mithani: Money, Banking and Public Finance
3. A.D. Bain (1992) Economics of the Financial System

4. Suraj.B.Gupta: Monetary Economics - Institutions, Theory & Policy;S Chand publications
5. Suraj.B.Gupta:Monetary Planning for India
6. Khan,MY: Indian Financial System;Tata-McGrawhill
7. M.K. Lewis (2000), Monetary Economics, OUP
8. M.R. Baye, D.W. Jansen (1996), Money Banking and Financial Markets, AITBS, (Indian Edition)
9. Maurice Levi (1999), International Finance, Tata McGraw Hill
10. L.M. Bhole (1999), Financial Institutions and Markets, Tata Mcgraw Hill
11. R.R.Paul “Monetary Economics”
12. R.B.I. Bulletin, Annual Report; Report on Currency and Finance
13. R.B.I. - Report of the Committee on the Financial System (Narasimham Committee Report I)

B.A Economics (Honors)
Semester-III
Mathematics for Economics
CC-6 H-ECO-3002

External marks:120
Internal Marks:30
Total: 150
Time: 3 hours
Credits:6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<p>UNIT-1</p> <p>(i-a) Elementary Set theory</p> <p>Operations on sets; ordered pairs, Cartesian products of sets, The Real numbers, Natural numbers, Integers, Rational and Irrational numbers</p> <p>(i-b)</p> <p>Functions: Types of Functions in economic theory- Revenue, Cost, Demand, Production and profit functions; Limit and continuity of functions</p>	<p>(i-a)</p> <p>Aimed at introducing the students about fundamentals of Number system, and Set operations</p> <p>(i-b)</p> <p>aims at making the students acquainted with Functions, and limit & continuity of functions, and economic applications</p>
<p>UNIT-2</p> <p>(ii-a)</p> <p>Matrices & determinants: Addition and multiplication of matrices; Minors and co-factors of a matrix; Inverse of a matrix, and Cramer's Rule</p> <p>(ii-b)</p> <p>Input-Output Analysis (basic idea only)</p>	<p>(ii-a) aims at giving the pupils knowledge about matrices and operations on matrices.</p> <p>(ii-b) has the objective of giving basic knowledge about Input-output analysis</p>
<p>UNIT-3</p> <p>(iii-a)</p> <p>Simple Derivatives: First Principles method, Rules of Differentiation; Economic Applications</p>	<p>iii-a</p> <p>aims at developing understanding in students' mind about derivatives and differentiation, and economic application of derivatives</p>

<p>(iii-b) Partial Derivatives; Basic idea of Partial Derivatives</p>	<p>iii-b has the objective of introducing the students about Partial derivatives at basic level.</p>
<p>UNIT-4</p> <p>(iv-a) Maxima and Minima, Unconstrained maxima and minima (one variable only) with economic applications</p> <p>(iv-b) Integration: Basic idea of Integration, Application of Integration in economics (Consumer and Producer surplus only)</p>	<p>iv-a has the objective of describing and explaining the differentiation concepts of Maxima and Minima,with economic applications</p> <p>iv-b Aims at explaining the methods of Integration, and application in economics for two cases only</p>

Overview of Outcomes

Core Course- Mathematics for Economics

After the successful completion of the course,the students will be able to

Course Objective

- 3002.1 Have knowledge about the set theory and functions, functions in economics
- 3002.2 Have understanding of Matrices and Input-output analysis
- 3002.3 Have knowledge about simple derivatives, partial derivatives and their economic applications
- 3002.4 Have understanding about maxima and minima, and Integration, and application of integration in economics.

Core-Course- Mathematics for Economics

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
3002.1	3	3	1	2	1	2	1	3	2	2	1
3002.2	3	3	2	2	1	1	1	3	2	2	1
3002.3	3	3	1	3	2	1	1	3	2	2	1
3002.4	3	3	1	2	2	1	1	3	2	2	1
Average	3	3	1.25	2.25	1.5	1.25	1	3	2	2	1

1. Basic Reading List

2. *Mathematics for Economics* by Michael Hoy et al, PHI, New Delhi, 2004.
3. *Quantitative Methods for Business and Economics* by Adil H. Mouhammed, PHI, New Delhi, 2003.
4. *Quantitative Methods* by D.R. Aggarwal
5. *Basic Mathematics for Economists* by R.C. Joshi, New Academic Publishing
6. Leontief, W. (1936) *Quantitative input-output relations in the economic systems of the United States. Review of Economics and Statistics, Vol 18, pp.105-125.*
7. Miller, R.E. and P.D. Blair (1985) *Input-Output Analysis: Foundations and Extensions. Prentice-Hall, Englewood Cliffs, New Jersey.*
8. Proops, J., Faber, M. and Wagenhals, G. (1993) *Reducing CO2 Emissions: A Comparative Input-Output Study for Germany and the UK, Springer-Verlag, Heidelberg.*
9. Aggarwal, H.S. *Modern Micro -Economics, Konark, New Delhi, 1998.*
10. Taro Yamane, *Mathematics for Economists, PHI, 1973.*
11. *Quantitative Techniques in Management* by N.D. Vohra, TMH.
12. *Operations Research* by R. Wagnor
13. *Operations Research* by Hamdy A. Taha
14. Allen R.G.D. (1974), *Mathematical Analysis for Economists, Macmillan Press, London.*
15. Black, J. and J.F. Bradley (1973), *Essential Mathematics for Economists, John Wiley and Sons.*
16. Chiang, A.C. (1986), *Fundamental Methods of Mathematical Economics (3rd Edition), McGraw Hill, New Delhi.*

B.A. Economics(Honors)
Semester-III
History of Economic Thought
CC-7 H ECO-3003

External marks:120
Internal Marks:30
Total Marks: 150
Time: 3 hours
Credits:6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A &B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<p>UNIT-I</p> <p>(i-a)</p> <p>Classical thought: Adam Smith-division of labor, Theory of value, Theory of growth</p> <p>(i-b)</p> <p>Ricardo: Theory of Rent, Distribution; Malthus- Theory of Population</p>	<p>(i-a)</p> <p>Aims at introducing the students about fundamentals of classical economics thought of Adam Smith</p> <p>(i-b)</p> <p>aims at making the students acquainted with economic thought of Ricardo on Rent and Malthus on Population</p>
<p>UNIT-2</p> <p>(ii-a)</p> <p>Neo-classical thought: Jevons, Menger and Walras (Main economic ideas)</p> <p>(ii-b)</p> <p>Alfred Marshall as a great synthesizer; Price Determination, Consumer and Producer surplus, Elasticities and Quasi-rent</p>	<p>(ii-a) aims at giving the pupils knowledge about Neo-classical economic thought of Jevons, Menger and Walras.</p> <p>(ii-b) has the objective of giving knowledge about economic ideas of A Marshall on Price determination, elasticities, Consumer and Producer surplus and Quasi-Rent</p>

<p>UNIT-3</p> <p>(iii-a)</p> <p>Keynesian Economics: underemployment equilibrium, Effective Demand, Marginal Efficiency of Capital, liquidity preference, role of state</p> <p>(iii-b)</p> <p>Austrian school of thought: Opportunity Cost, Time preference, Expected Utility</p>	<p>iii-a</p> <p>aims at developing understanding in students' mind about framework of concepts developed by JM Keynes-underemployment equilibrium and Effective demand, among others</p> <p>iii-b</p> <p>has the objective of introducing the students about basic conceptual contributions of Austrian school of thought</p> <hr/>
<p>UNIT-4</p> <p>(iv-a)</p> <p>Indian Economic thought: Main ideas of KautilyaNaroji, Vakil and Brahmanand, JK Mehta and AK Sen</p> <p>(iv-b)</p> <p>Main ideas of MDKC Gandhi</p>	<p>iv-a</p> <p>has the objective of detailing the evolution of economic ideas of Indian thinkers other than MDKC Gandhi</p> <p>iv-b</p> <p>Aims at introducing the students about Gandhian economics, its nature and significance</p>

Overview of Outcomes

Core Course- History of Economic Thought

After the successful completion of the course, the students will be able to Course Objective #

3003.1 Have knowledge about the classical economic thought: A Smith, D Ricardo, T Malthus

3003.2 Have understanding of Neo-classical thought- Jevons, Menger, Walras, Marshall

3003.3 Have knowledge about economic thought and concepts of JM Keynes and Austrian school of thought

3003.4 Have understanding about Indian thinkers about economics- MDKC Gandhi and others.

Core-Course- History of Economic Thought

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
3003.1	3	3	1	2	1	2	1	1	1	2	1
3003.2	3	3	2	2	1	1	1	1	1	2	1
3003.3	3	3	1	2	2	1	2	1	1	2	1
3003.4	3	3	1	2	2	1	2	1	1	2	1
Average	3	3	1.25	2	1.5	1.25	1.5	1	1	2	1

Basic Reading List

1. *Blaug, M 1997, Economic Theory in retrospect, Cambridge Universitypress, Cambridge*
2. *Da Costa,G.C:Production,Prices and Distribution(1985)TMH,NewDelhi*
3. *Dasgupta A.K.L(1985) Epochs of Economic Theory ,Oxford Univ Press,New Delhi.*
4. *Ekelund and Hebert :A History of Economic Theory and Method(1990)McGraw Hill Publ Co.New York.*
5. *Eatwell,John, Murray Milgate ,Peter Newman(1998):The New Palgrave _A Dictionary of Economics, Macmillan Reference Ltd.*
6. *Ghosh and Ghosh; Concise History of Economic Thought, Himalaya.*
7. *Gill Richard: (1972)Evolution of Modern Economics,Prentice Hall ofIndia.*
8. *Hunt E.K : (:1990) History of Economic Thought, Wodsworth.*
9. *Morgan M. S.(1990), A History of Economic Ideas,Cambridge UnivPress. U.K.*
10. *Oser Jacob,and S.,Brue L 1988)The Evolution of EconomicThought,Harcourt,NY*
11. *Puttaswamaiah K.(1995) :Nobel Economists-Lives and Contributions,Indus Publ Co.,New Delhi.*
12. *Roll, Eric : (1973) A History of Economic Thought, Faber, London.*
13. *Seligman B.S: (1962),Main Currents In Modern Economics,Quadrangle, Chicago 32.*
14. *Serepanti E,and Zamagui Stefano: An Outline of Economic Thought,OUP.*
15. *Seshadri G.B:(1997),Economic Doctrines,B.R Publ Corp., New Delhi.*
16. *Spiegel H.W. (1971) The Growth of Economic Thought, N.C .DukeUniv,Durham.*
17. *Vohra P. and R. Mehta: Encyclopaedia of World Great Economists,Commonwealth.*

B.A. Economics (Honors)
Semester-IV
Public Economics
CC-8 H-ECO-4001

External marks:120
Internal Marks:30
Total Marks: 150
Time: 3 hours
Credits: 6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I (i-a) Introduction: Nature & scope of public economics; Public goods- concept, characteristics & types; Efficient provision of public goods (i-b) Market failure & externalities ; Principle of Maximum Social Advantage	(i-a) has the objective of introducing students with elaborate view of Public economics, its nature, scope, and the principles related to public goods (i-b) aims at making the students acquainted with market failure, causes, and the principal of efficient allocation
UNIT-2 (ii-a) Public Revenue: taxation, Classification, Canons & effects, Impact & Incidence of taxes- concepts and factors (ii-b) Public debt: sources, Methods of Public debt redemption, Effects of public borrowing	(ii-a) aims at giving the pupils knowledge about public revenue, its sources viz. Taxes, and the incidence and impact of taxes (ii-b) has the objective of giving knowledge about Public Debt, and sources, principles, and repayment.
UNIT-3 (iii-a) Public expenditure: meaning, classification, canons and effects (iii-b)	iii-a aims at developing understanding in students' mind about Public expenditure, nature and conceptual understanding about its ideal size and effects iii-b has the objective of introducing the

Factors affecting public expenditure, Wagner's law, Peacock-Wiseman Hypothesis	students about Causes and interrelationships explaining the trends of public expenditure
UNIT-4 (iv-a) Budget: concepts of Revenue and Capital expenditure; Deficit types (iv-b) Fiscal federalism in India, Centre-state financial relations, Latest finance commission report	iv-a has the objective of explaining Budget and its concepts, constituents, and deficit types iv-b Aims at imparting knowledge to students about fiscal federalism, and Centre-state financial relations, and highlights of Finance Commission recommendations

Overview of Outcomes

Core Course- Public Economics

After the successful completion of the course, the students will be able to Course Objective #

4001.1 Have insight about the Public economics-nature & scope, market failure

4001.2 Have understanding of public revenue, public debt: types, nature Effects, trends

4001.3 Have knowledge about nature of public expenditure-types, nature Effects, trends

4001.4 Have understanding about Budget, concepts of deficits, centre and states finances, financial relationship, Finance commission recommendations

Core-Course- Public Economics

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
4001.1	3	3	1	2	1	2	2	3	1	2	1
4001.2	3	3	2	2	1	1	1	3	1	2	1
4001.3	3	3	1	2	2	1	1	3	1	2	2
4001.4	3	3	1	2	2	1	2	3	2	2	2
Average	3	3	1.25	2	1.5	1.25	1.5	3	1.25	2	1.5

Basic Reading List

1. Bruce, Neil, "Public Finance", Addison- Wesley Educational Publishers, Inc.
2. Jones, Philip and Cullis, Jones, "Public Finance and Public Choice- Analytical Perspectives", Oxford University press
3. Stiglitz, Joseph, "Economics of the Public Sector", W.W.Norton and Company, new York/London
4. Rosen, H.S., "Public finance", Tata McGraw Hill
5. McNutt, P.A., "The economics of Public Choice", Edward Elgar Publishing Inc.
6. Mueller, D.C., "Public Choice- I,II,III"Cambridge university Press, Cambridge
7. Downs, A., "An Economic Theory of Democracy", Harper and Row, New York
8. Musgrave R.A and Peacock A.T., "Classics in the Theory of Public Finance", Mcmillan

B.A. Economics (Honors)
Semester-IV
Statistics for Economics
CC-9 H-ECO-4002

External marks:120
Internal Marks:30
Total Marks: 150
Time: 3 hours
Credit: 6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I (i-a) Statistics: meaning, scope, importance, limitations; Frequency distributions-Bivariate and Cumulative (i-b) Central Tendency: Mean, Median, Mode; Harmonic & Geometric mean	(i-a) has the objective of introducing students with elaborate view of meaning, nature and scope of statistics, as well as about frequency distributions (i-b) aims at making the students acquainted with computation skills of the measures of central tendency-mean, median and mode along with geometric and harmonic mean
UNIT-2 (ii-a) Measures of Dispersion: Range, Quartile deviation, mean deviation and standard deviation, Coefficient of variation, Percentile rank (ii-b) Skewness and Kurtosis-Basic ideas and methods	(ii-a) aims at giving the pupils the computation skills and knowledge about Dispersion and its measures, and Percentile Rank (ii-b) has the objective of giving knowledge and skills of computation about skewness and Kurtosis
UNIT-3 (iii-a) Correlation & Regression: Co-variance formula of correlation, Properties, Rank correlation, Properties; Regression Analysis: regression equations & regression lines, computation of parameters of regression	iii-a aims at developing understanding and computation skills in students about Correlation & regression and related concepts and their significance iii-b

<p>equations, standard error of estimate (iii-b)</p> <p>Elements of Sampling: types of sampling, sampling & non-sampling errors, determination of sample size, Central limit theorem (without proof)</p>	<p>has the objective of developing understanding in the students about elements of sampling and principles underlying it</p>
<p>UNIT-4</p> <p>(iv-a)</p> <p>Time series Analysis: concepts, components, methods of finding trend: Semi-average, Moving Average, Least Square, Ratio-to-average.</p> <p>(iv-b)</p> <p>Index numbers: types and uses, tests of consistency, Fisher's Ideal Index, Fixed-based and chain-based Index numbers; Problems in construction of index numbers, and the limitations of index numbers</p>	<p>iv-a</p> <p>has the objective of developing computation skills of the trends in Time series data by way of different methods</p> <p>iv-b</p> <p>Aims at imparting conceptual and applied knowledge to students about Index numbers, their construction, and tests of the consistency of Index numbers</p>

Overview of Outcomes

Core Course- Statistics for Economics

After the successful completion of the course, the students will be able to

Course Objective

- 4002.1 Have understanding about the nature and subject matter of Statistics, measures of central tendency-mean, mode and median
- 4002.2 Have understanding of measures of dispersion, elementary idea about concepts of skewness and kurtosis, and measurement
- 4002.3 Have knowledge about correlation, regression and sampling. Working Theoretical and computations skills in measurement of correlation Regression, along with sampling theory
- 4002.4 Have understanding about time series and Index numbers- theoretical and practical knowledge about computational problems.

Core-Course- Statistics for Economics

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
4002.1	3	3	1	2	1	2	1	3	1	2	2
4002.2	3	3	2	3	1	1	1	3	1	2	1
4002.3	3	3	1	2	2	1	1	3	1	2	1
4002.4	3	3	1	3	2	1	1	3	1	2	1
Average	3	3	1.25	2.5	1.5	1.25	1	3	1	2	1.25

Basic Reading List

1. Vohra, N. D. Quantitative Techniques in Management, Tata McGraw Hill, New Delhi.
2. Speigal, M. R. Theory and Problems of Statistics, McGraw Hill Book, London
3. Croxton, F. E., D. Cowden and S. Kliein, Applied General Statistics, Prentice Hall, New Delhi.
4. Gupta S.C. and V.K. Kapoor, Fundamentals of Applied Statistics, S. Chand and Sons New Delhi.
5. Yates, Frank, Sampling Methods for Census and Surveys, Charles, Griffin Co., London.
6. Cochran, W. G., Sampling Techniques, John Willey, New York.
7. Hansen, Hurst and Meadow, Sample Survey Methods and Theory, John Willey New York.
8. Gupta S. C. Fundamentals of statistics, Himalaya Publishing house, New Dehli.
9. Gupta S.P. and Gupta M. P. Business statistics, Sultan chand and sons, New Delhi.
10. Kamanta J. Elements of Econometrics, Machmillan Publishing Co., Inc. New York.

B.A Economics (Honors)
Semester-IV
Environment Economics
CC-10 H-ECO-4003

External marks:120
Internal Marks:30
Total Marks:150
Time: 3 hours
Credit: 6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I (i-a) Environment and Economy: nature & scope of environmental economics (i-b) Linkages between Environment & economy; Population-environment linkage	(i-a) Aims at introducing students about Environment, its nature & scope (i-b) Has the objective of making the students acquainted with linkages of environment with economy, population
UNIT-2 (ii-a) Market failure: Incomplete markets; externalities (ii-b) Environment as public good-Non-exclusive, Non-rivalry, Non-convexities; Asymmetric Information	(ii-a) aims at giving the pupils the perception and understanding about the concepts of market failure, incomplete markets and externalities (ii-b) has the objective of giving knowledge about environment as a specific type of public good, Its nature & characteristics, and the implications of asymmetric information
UNIT-3 (iii-a) Environment and Development: Natural resources, asset Markets Theory (iii-b)	iii-a aims at developing understanding in students about role of natural resources and Asset markets in environment-development linkage iii-b has the objective of developing knowledge and perception in the students about Sustainable development, Green GDP, and

Concept of Sustainable Development, Green GDP, Environmental Kuznet's curve	Kuznet's hypothesis
UNIT-4 (iv-a) Environmental Legislation: Pollution-causes, control and abatement; Environment Protection Mechanism in India (iv-b) Global Environmental issues: Climate change, trade & environment	iv-a has the objective of developing understanding about Legal provisions and framework about Environment protection, and pollution control iv-b Aims at imparting conceptual and applied knowledge to students about Global issues in environment viz climate change; trade & environment

Overview of Outcomes

Core Course- Environment Economics

After the successful completion of the course, the students will be able to

Course Objective

4003.1 Have insight about nature, scope & subject-matter of environmental Economics, Environment-economy linkages

4003.2 Have understanding of market failures, Environment as public good, asymmetry of information

4003.3 Have knowledge about nature of environment and economic development, sustainable development

4003.4 Have understanding about environment legislation, global Environmental issues, climate change

Core-Course- Environment Economics

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
4003.1	3	3	1	2	1	2	1	3	1	2	1
4003.2	3	3	2	2	1	2	2	3	2	2	1
4003.3	3	3	2	2	2	2	1	3	2	2	2
4003.4	3	3	3	2	2	2	2	3	2	2	2
Average	3	3	2	2	1.5	2	1.5	3	1.75	2	1.5

Basic Reading List

- Henderson, J.M. and R.E. Quandt (1980), *Microeconomic Theory: A Mathematical Approach*, McGraw Hill, New Delhi.
- Hanley, N., J.F. Shogren and B. White (1997), *Environmental Economics in Theory and Practice*, Macmillan.
- Cropper, Maureen (1999), *Valuing Environmental Benefits*, Edward Elgar.
- Sankar, U. (Ed.) (2001), *Environmental Economics*, Oxford University Press, New Delhi.
- James, A.J., M. N. Murty and Smita Misra (1999), *Economics of Water Pollution –The Indian Experience*, Oxford University Press, New Delhi.

B.A. Economics (Honors)
Semester-V
Development Economics and Planning-I
CC-11 H-ECO-5001

External Marks:120
Internal Marks:30
Total Marks: 150
Time: 3 hours
Total Credits: 6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A &B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<p>UNIT-I (i-a) Basic concepts of economic development: Economic growth and development, concept of underdevelopment and basic characteristics, (i-b) Determinants and measurement of economic development, Sustainable economic development</p>	<p>(i-a) has the objective of introducing students with elaborate view of Economic development and underdevelopment, and its nature and features. (i-b) aims at making the students acquainted with behavior of the determinants of economic development, and Sustainable Economic development</p>
<p>UNIT-2 (ii-a) Theories of Economic development: Adam Smith, Mill (ii-b) Other theories: Karl Marx, Schumpeter</p>	<p>(ii-a) aims at giving the pupils knowledge and understanding about economic development theories, by A Smith and John S Mill. (ii-b) In continuation with objective of explaining development theories, the theories by K Marx and J Schumpeter are to be made understood to the students, in form as well as in essence.</p>
<p>UNIT-3 (iii-a) Different approaches to development: Vicious circle of poverty, Lewis' dual economy model</p>	<p>iii-a aims at developing understanding in students' mind about approaches to explain the nature, dynamics of economic under-development process, as given by Vicious cycle hypothesis and Dual economy model</p>

<p>(iii-b) Leibenstein's critical minimum effort theory, Balanced versus unbalanced growth theories</p>	<p>iii-b has the objective of introducing the students about mechanism of Critical Effort hypothesis, and Balanced and unbalanced growth strategy</p>
<p>UNIT-4 (iv-a) Economic Planning: Types, strategies & objectives, Plan process (iv-b) Economic policy: types, objectives Policy lags & trade offs, Macro-economic balances</p>	<p>iv-a has the objective of explaining the basics of economic planning, its strategies, operational framework iv-b aims at elaborating the objectives and types of economic policy, policy lags, trade-offs and macroeconomic balances</p>

Overview of Outcomes

Core Course - Development Economics & Planning-I

After the successful completion of the course, the students will be able to Course Objective #

5001.1 Have knowledge about the basic concepts of economic development underdevelopment, determinants of economic development, sustainable development

5001.2 Have understanding of theories of economic development by Smith, Mill, Marx and Schumpeter

5001.3 Have knowledge about approaches to development - Lewis, Leibenstein, Balanced and unbalanced growth strategy

5001.4 Have understanding about Economic planning & policy. strategy and objectives of planning, mechanism of economic policy.

Core-Course- Development Economics & Planning-I

Co#	Po1	Po2	Po3	Po4	Po5	Po6	Po7	Pso1	Pso2	Pso3	Pso4
5001.1	3	3	1	2	1	2	1	3	1	2	1
5001.2	3	3	2	2	1	1	1	3	2	2	1
5001.3	3	3	1	2	2	2	1	3	2	2	2
5001.4	3	3	2	2	2	2	1	3	2	2	1
Average	3	3	1.5	2	1.5	1.75	1	3	1.75	2	1.25

Suggested Readings :

1. Adelman, I, (1961), *Theories of Economics Growth and Development*, Stanford University Press, Stanford.
2. Barro, R. and X. Salai- Martin, *Economics Growth*, McGraw Hill, New York.
3. Chakravarti, S. (1982), *Alternative Approaches to the Theory of Economic Growth*, Oxford University Press, New Delhi.
4. Ghatak, S. (1986), *An Introduction to Development Economics*, Allen and Unwin, London.
5. Higgins, B.(1959), *Economic Development*, W.W. Norton, New York.
6. Kindleberger, C. P. (1977), *Economics Development*, (3rd Edition), McGraw Hill, New York.
7. Meier, G.M. and J.E. Rauch (2005), *Leading Issues in Economics Development*, (8th Edition), Oxford University Press, New Delhi.
8. Todaro, M.P. and S.C. Smith (2003), (8th Edition), *Economics Development*, Pearson Education, Delhi.
9. Thirlwal, A.P. (1999), (6th Edition), *Growth and Development*, Macmillan, U.K.
10. Mishra S.K. and V.K. Puri 'Economics Development and Planning. (Latest Edition)
11. Myer and Taneja 'Economics Development and Planning (latest Edition). Kalyani Publishers.
12. Lekhi, R.N. 'Economics of Development and Planning', (Latest Edition)

B.A. Economics (Honors)
Semester-V
Issues in Indian Economy
CC-12 H-ECO-5002

External marks:120
Internal Marks:30
Total Marks: 150
Time: 3 hours
Credit:6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<p>UNIT-I (i-a) Basic Issues: Overpopulation, Poverty, Unemployment, Inequality (i-b) Urbanisation and Problem of civic amenities, Backwardness, Regional Imbalances</p>	<p>i-a is meant to address the basic issues of Indian economy in terms of Overpopulation, Poverty, Unemployment and Inequality, and create an understanding in students' minds about these. i-b aims at giving knowledge to students about other issues like urbanization, civic amenities, and regional imbalances</p>
<p>UNIT-2 (ii-a) Haryana Economy: basic features- growth & sectoral distribution of State Domestic Product, Declining sex ratio, and its social and economic implications; Regional Disparities in Haryana, Globalisation in Haryana economy, Concept of effective cities and Poverty eradication in Haryana (ii-b) Disaster Management in India: Role and importance of Disaster management</p>	<p>ii-a is meant for developing an understanding and perception of issues relating to Haryana economy. The understanding of Haryana issues will help them understand applied micro regional plan and strategies ii-b is meant for making understanding in students' mind about disaster management mechanism in India, and strategies.</p>

measures,Strategies of disaster management	
UNIT-3 (iii-a) Human Resource Development;Role of education and health issues,problems&policies (iii-b) Labour Productivity;Issues, policies and Programmes,Gender and Development	iii-a aims at giving the pupils knowledge about role of healthcare and education ,and strategies. iii-b has the objective of addressing labour productivity and issues and measures,and role of women force in economic development
UNIT-4 (iv-a) Economic Reforms in India:Liberalisation,Privatisation and Globalisation;Need&raionale (iv-b) Competitiveness of Indian trade&Industry,Special Economic Zones,NITI aayog and current plan	iv-a has the objective of introducing to the students about Economic reforms in India,measures, trends etc. iv-b aims at developing understanding in students’ minds about ways&means to increase competitiveness of trade and Industry of India, SEZs and NITI aayog

Overview of Outcomes

Core Course- Issues in Indian Economy

After the successful completion of the course,the students will be able to Course Objective #

- 5002.1 Have knowledge about basic issues like Overpopulation,urbanizationRural-urban migration,poverly,unemployment etc
- 5002.2 Have understanding of regional backwardness, and regional imbalances,and issues relating to Haryana economy,as well as Disaster management measures.
- 5002.3 Have knowledge about human resource development,education&healthcare,labour productivity measures,gender and economic development
- 5002.4 Have understanding about economic reforms,competitiveness of India trade and industry,Special economic zones,NITI ayog

Core-Course- Issues in Indian Economy

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
5002.1	3	3	1	2	1	2	1	3	1	2	1
5002.2	3	3	2	2	1	1	2	3	2	2	1

5002.3	3	3	1	2	2	1	2	3	2	2	1
5002.4	3	3	1	2	2	1	2	3	2	2	1
Average	3	3	1.25	2	1.5	1.25	1.75	3	1.75	2	1

Suggested Readings:

1. *M.P. Todaro & Smith, Economic Development in the Third World. Addison-Wesley. 6th ed.*
2. *Uma kapila, Indian Economy: Issues in Development and Planning & Sectoral Aspects (2005). Academic Foundation.*
3. *Arvind Virmani. Accelerating Growth and Poverty reduction: A Policy Framework for India's Development (2004)*
4. *Government of India, Economic Survey (latest)*
5. *Government of India, Five Year Plan, (latest)*
6. *Government of India. Finance Commission Report (Latest Ed.)*
7. *Ray, Debraj, (1998)Development Economics, Princeton University Press,*
8. *Banerjee, Abhijit, Ronald Benabon and Dilip Mookerjee (ed.), Understanding Poverty, OUP, 2006.*
9. *Statistical Abstract Haryana and Economic Survey of Haryana published by Department of Economic and Statistical Analysis Haryana (latest)*
10. *Datt, Rudar & K.P. Sundaram, "Indian Economy" S. Chand & Company (Latest Ed.).*
11. *Mishra S. K. & V. K. Puri, "Indian Economy", Himalya Publishing House (Latest Ed.).*

B.A. Economics (Honors)
Semester-V
Introductory Econometrics
DSE-1H-ECO-5003

External Marks:120
Internal Marks:30
Total Marks: 150
Time: 3 Hour
Total Credit: 6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I (i-a) Definition, meaning and Nature of Econometrics (i-b) Difference between Mathematical economics, Statistics and Econometrics, Goals of econometrics	(i-a) is meant to introduce the discipline of econometrics, and its nature. (2-b) has the objective of making the students understand the fine distinction from other related fields like statistics and mathematical economics, as well as the goals of the study of econometrics
UNIT-2 (ii-a) Simple Linear Regression Model, Assumptions; Distribution and Estimation of OLS (ii-b) Statistical significance of the estimates: Tests of the goodness of fit with R-square, and Tests of significance of the Parameter estimates	(2-a) has the objective of making pupils understand Simple Linear Regression (Ordinary Least squares) model, and its estimation. (2-b) aims at giving the pupils knowledge about properties of OLS estimates, and nature of ideal, desirable properties of estimates
UNIT-3 (iii-a)	(3-a) has the objective of introducing to the students about multicollinearity, implications, and the test to detect it.

Properties of Least square estimates Best Linear Unbiased Estimator (BLUE), Importance of BLUE properties (iii-b) Autocorrelation: assumptions, sources and consequences of autocorrelation, The Durban-Watson test of autocorrelation	(3-b) Autocorrelation: assumptions, sources and consequences of autocorrelation, The Durban-Watson test of autocorrelation
UNIT-4 (iv-a) Multicollinearity: assumptions and consequences of multicollinearity; The Farrar-Glauber test of multicollinearity (iv-b) Errors in variables: time as a variable, Dummy Variables	(4-a) Has the objective of introducing the students about multicollinearity, and its tests and implications (4-b) aims at developing understanding in students' minds about errors in variables and sources, as well as the nature and significance of dummy variables

Overview of Outcomes

DSE1-Course- Introductory Econometrics

After the successful completion of the course, the students will be able to Course Objective #
 5003.1 Have knowledge about the meaning, and nature of econometrics, Goals and its relationship with other subjects

5003.2 Have understanding of simple linear regression, and significance of estimates of parameters, tests of parameters' significance

5003.3 Have knowledge about nature and properties of least square estimators, Problem of autocorrelation, and measures

5003.4 Have understanding about multicollinearity, and errors in variables, Dummy variables

CORE-COURSE- INTRODUCTORY ECONOMETRICS

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
5003.1	2	3	1	2	1	2	1	3	1	2	1
5003.2	3	1	2	2	1	1	1	3	2	2	1
5003.3	3	3	1	2	2	1	1	3	2	2	2
5003.4	2	1	1	2	2	1	1	3	2	2	2
Average	2.5	2.5	1.25	2	1.5	1.25	1	3	1.75	2	1.5

Basic Reading List

1. Amemiya, T. (1985), *Advanced Econometrics*, Harvard University Press, Cambridge, Mass.

2. Baltagi, B.H. (1988), *Econometrics*, Springer, New York.
3. Goldberger, A.S. (1998), *Introductory Econometrics*, Oxford University Press, New York.
4. Gujarati, D.N. (1995), *Basic Econometrics (2nd Edition)* MC Graw Hill New Delhi.
5. Intrilligator, M.D. (1978), *Econometric Methods, Techniques and Applications*, Prentice Hall Englewood Cliffs, New Jersey.
6. Johnson J. (1991), *Econometric Methods*, MCGraw Hall Book Co. London
7. Kmenta J. (1998), *Elements of Econometrics*, University of Michigan Press, New York
8. Koutsoyiannis, A. (1977), *Theory of Econometrics*, The Macmillan Press Ltd. London
9. Maddala G.S.(Ed) (1993), *Econometric Methods and application*, Aldershot U.K.
10. Pindyck R.S. and D.L. Rubinfeld (1976), *Econometric Models and Economic Forecasts*, MCGraw Hill Kogakusha Tokyo
11. Theil H. (1981), *Introduction to Econometrics*, Prentice Hall of India, New Delhi

B.A. Economics(Honors)
Semester-V
Comparative Economic Development
DSE-2H-ECO-5004

External Marks:120
Internal Marks:30
Total Marks: 150
Time: 3 Hour
Credit: 6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<p>UNIT-1</p> <p>(i-a) Economic development of Britain: Basic features of British economy, and trends(industrial revolution, Transport and communication)</p> <p>(i-b) Economic development of USA: Basic features of US economy, and trends(infrastructure,trade);Role of US in world economic co-operation,Indo-US economic co-operation</p>	<p>(i-a) Aims at making the students conversant with economic development of Britain, various sectors in historical perspective</p> <p>(i-b) Has the objective of making students acquainted with economic development of US, and Indo-US co-operation</p>
<p>UNIT-2</p> <p>(ii-a) Economic development of Japan: Agriculture, Industry; Role of entrepreneurship; Technology</p> <p>(ii-b) Economic development of China: Agriculture and trade; Cultural Revolution, and Economic Reforms</p>	<p>(2-a) is meant to impart the knowledge about Growth experience of Japan, and timeline of trends of various sectors of Japan's economy</p> <p>(2-b) aims at growth trajectory and trends of China, various sectors of china's economy, Revolutionary phase and economic reforms</p>

<p>UNIT-3</p> <p>(iii-a)</p> <p>Economic development of USSR:Basic features of USSR economy, Industry& trade Indo-USSR Economic co-operation,Glasnost,Prestroika and dis-integration of USSR economy</p> <p>(iii-b)</p> <p>Growth Miracle of Newly Industrialised Countries: Taiwan, South Korea and Singapore</p>	<p>(3-a)</p> <p>has the objective of tracing the growth path of USSR's economy, and crucial events regarding policies, and timeline of geopolitical changes,Indo-soviet co-operation</p> <p>(3-b)</p> <p>is meant to highlight the importance of growth and trade of newly industrialized countries</p>
<p>UNIT-4</p> <p>(iv-a)</p> <p>Role of state in economic development (regulatory and developmental role): Britain,, USSR, and Japan</p> <p>(iv-b)</p> <p>Regional Economic Integration:European Union,lessons for India.</p>	<p>(4-a)</p> <p>aims at enriching students mind with knowledge of Regulatory and developmental role of government w.r.t Britain, USSR, and Japan</p> <p>(4-b)</p> <p>meant for having knowledge about takeaways for India from the growth experience of EU nations</p>

OVERVIEW OF OUTCOMES

DSE2COURSE- COMPARATIVE ECONOMIC DEVELOPMENT

After the successful completion of the course,the students will be able to Course Objective #

5004.1 Have insight about the economic development of Britain&US

5004.2 Have understanding of economic development of Japan&China

5004.3 Have knowledge about economic development of Russia(in the times of USSR),disintegration of USSR,and growth of Newly industrialized countries

5004.4 Have understanding about role of state in economic development of Britain,Russia,Japan.Lessons for India from growth experience of These countries ,and EU

DSE2-COURSE- Comparative Economic Development

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
5004.1	3	3	1	2	1	2	1	3	1	2	1
5004.2	2	3	2	2	1	1	1	3	2	2	2
5004.3	3	3	1	2	2	1	1	3	1	2	2

5004.4	2	3	1	2	2	1	1	3	2	2	2
Average	2.5	3	1.25	2	1.5	1.25	1	3	1.5	2	1.75

Suggested Readings

1. *WHB Court: A concise economic History of Britain*
2. *R Floud,McCloskey D: The economic History of Britain since 1700*
3. *GC Allen1867-1937:A short economic History of modern Japan*
4. *JW Hall,Peter Duus :The Cambridge History of Japan*
5. *FG Walett: An economic History of the USA*
6. *Stuart Kirby: An Introduction to Economic History of China.*
7. *Marvice Dobb(1977) Soviet economic development since 1917 6th Edition,*
8. *Rutledge & kegan Paul.W.W.Lockwood(1966),Economic Development of Japan, Expanded edition, Princeton University press.*
9. *Chalmers Johnson(1982),MITTI and the Japanese Miracle: The Growth of Industrial Policy 1925-1975, Stanford University Press.*
10. *Alec Nove(1969)An economic History of USSR, Penguin,1969.*

B.A. Economics(Honors)
Semester-VI
Development Economics and Planning-II
CC-13 H-ECO-6001

External marks:120
Internal Marks:30
Total Marks: 150
Credit :6
Time: 3 hours

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A &B,comprising 15 and 9 marks respectively.All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<p>UNIT-I (i-a)</p> <p>Planning in India: poverty in India-measurement of poverty, causes of poverty and recent poverty alleviation programmes in India; Estimate of Inequalities,Causes of Inequalities and policy measures in India (i-b)</p> <p>Unemployment in India- nature of unemployment, Causes and Government's measures in India</p>	<p>(i-a) has the objective of introducing students with poverty and Inequalities, their nature, causes and policy measures for abatement of poverty and Inequalities</p> <p>(i-b) aims at making the students acquainted with the nature of unemployment in India, and policy measures by the government</p>
<p>UNIT-2 (ii-a)</p> <p>Growth Models: Harrod-Domar (ii-b)</p> <p>Neoclassical Growth Models: Solow and Robinson</p>	<p>(ii-a) aims at giving the pupils knowledge about Growth models by Harrod-Domar,their dynamics and limiting factors .</p> <p>(ii-b) has the objective of giving knowledge about Neo-classical growth models by R Solow,and J Robinson,their dynamics and limiting factors.</p>
<p>UNIT-3 (iii-a)Theories of Distribution: Ricardo</p>	<p>iii-a aims at developing understanding in students'mind about Ricardo's theory of Rent,trend of rent in macroeconomic</p>

(iii-b) Marx and Meade	perspective iii-b has the objective of introducing the the approaches of Marx and Meade for trend of input shares in macro economic perspective
UNIT-4 (iv-a) Planning Techniques: labor –intensive, capital-intensive and intermediate techniques (iv-b) Investment Criteria , and Cost-Benefit analysis.	iv-a has the objective of explaining the project planning techniques as labor-intensive, capital intensive and intermediate one, their comparison iv-b Aims at giving the students knowledge about Investment Criteria for projects, relative merits and suitability, and Cost benefit analysis for project evaluation

OVERVIEW OF OUTCOMES

CORE COURSE- DEVELOPMENT ECONOMICS&PLANNING-II

After the successful completion of the course,the students will be able to Course Objective #

6001.1 Have in-depth knowledgeabout the poverty,inequalities,and unemployment in India

6001.2 Have further understandingof growth models-Harrod-Domar, Solow,Robinson

6001.3 Have knowledge about nature of distribution-Ricardo,Marx,Meade

6001.4 Have understanding about planning techniques,Investment criteria project evaluation.

CORE-COURSE- Development Economics & Planning-II

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
6001.1	3	3	1	2	1	2	1	3	1	2	1
6001.2	3	3	2	2	1	1	2	3	2	2	2
6001.3	3	3	1	2	2	1	2	3	2	2	2
6001.4	3	3	1	2	2	2	2	3	2	2	1
Average	3	3	1.25	2	1.5	1.50	1.75	3	1.75	2	1.5

Suggested Readings:

1. Adelman, I, (1961), Theories of Economics Growth and Development, Stanford University Press, Stanford.

2. Barro, R. and X. Salai- Martin, Economics Growth, McGraw Hill, New York.

3. Chakravarti, S. (1982), *Alternative Approaches to the Theory of Economic Growth*, Oxford University Press, New Delhi.
4. Ghatak, S. (1986), *An Introduction to Development Economics*, Allen and Unwin, London.
5. Higgins, B. (1959), *Economic Development*, W.W. Norton, New York.
6. Kindleberger, C. P. (1977), *Economics Development*, (3rd Edition), McGraw Hill, New York.
7. Meier, G.M. and J.E. Rauch (2005), *Leading Issues in Economics Development*, (8th Edition), Oxford University Press, New Delhi.
8. Todaro, M.P. and S.C. Smith (2003), (8th Edition), *Economics Development*, Pearson Education, Delhi.
9. Thirlwal, A.P. (1999), (6th Edition), *Growth and Development*, Macmillan, U.K.
10. Mishra S.K. and V.K. Puri 'Economics Development and Planning. (Latest Edition)
11. Myer and Taneja 'Economics Development and Planning (latest Edition). Kalyani Publishers.
12. Lekhi, R.N. 'Economics of Development and Planning', (Latest Edition)

B.A. Economics (Honors)
Semester-VI
International Economics
CC-14 H-ECO-6002

External marks:120
Internal Marks:30
Total Marks:150
Credits:6
Time: 3 hours

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<p>UNIT-I (i-a)</p> <p>International trade and trade theories: Need and Importance of study of International economics, Interregional and International trade (i-b)</p> <p>Classical theories of International Trade: Adam Smith's Absolute cost advantage and David Ricardo's comparative advantage; Comparative Advantage in terms of opportunity cost</p>	<p>(i-a) Aims at introducing the students about International and domestic trade; nature and importance of the study of International economics</p> <p>(i-b) Has the objective of making pupils conversant with theories of trade by A Smith and D Ricardo, the classical economists, and reformulation of the theories in terms of opportunity cost</p>
<p>UNIT-2 (ii-a)</p> <p>Other trade theories: Mill's Offer curves analysis, Modern H-O theory of international trade (ii-b)</p> <p>Factor price equalization theorem, Leontieff's Paradox</p>	<p>ii-a is meant to impart the knowledge about J Mill's theory and Heckscher-Ohlin theory of international trade</p> <p>ii-b aims at implications of trade theories in the long run in terms of Factor price equalization, and Leontieff's paradox</p>

<p>UNIT-3</p> <p>(iii-a) Gains from Trade: measurement of gains from trade: uses & limitations</p> <p>(iii-b) Trade as an engine of growth, Hypothesis of secular deterioration in terms of trade and its relevance for Under-developed countries(UDCs)</p>	<p>iii-a</p> <p>has the objective of defining and measuring the gains from trade, and the limiting factors</p> <p>iii-b</p> <p>is meant to highlight the importance of trade and implications in terms of adverse terms-of-trade for the Less developed countries</p>
<p>UNIT-4</p> <p>(iv-a) The theory of interventions: tariffs, Partial & general effects (on National income, Employment, terms-of-trade, BoP and Income distribution)</p> <p>(iv-b) Non-tariff barriers: Quotas and other sanctions: general and partial effects</p>	<p>iv-a</p> <p>aims at enriching students mind with knowledge of theory of interventions in terms of tariffs and quotas and their effects</p> <p>iv-b</p> <p>meant for giving conceptual and applied knowledge about non-tariff barriers</p>

Overview of Outcomes

CORE COURSE- International Economics

After the successful completion of the course, the students will be able to Course Objective #

6002.1 Have appreciation and perception about the basis and rationale of domestic trade and international trade. Classical theory and opportunity cost theory of trade

6002.2 Have understanding of role of reciprocal demand in trade and offer Curve approach, Heckscher-Ohlin approach, Factor price equalisation

6002.3 Have knowledge about nature of trade as a stimulant for economic Growth, gains from trade and hypothesis of secular deterioration of Terms of trade for less developed countries.

6002.4 Have understanding about interventions with free trade-quotas and tariffs, effects on balance of payments, terms of trade, income and distribution of trade gains.

Core Course- International Economics

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
6002.1	3	3	1	2	1	2	1	3	1	2	1
6002.2	2	3	2	2	1	1	2	3	2	2	2
6002.3	3	3	1	2	2	1	2	3	1	2	1
6002.4	2	3	1	2	2	1	1	3	2	2	2
Average	2.5	3	1.25	2	1.5	1.25	1.5	3	1.5	2	1.5

Basic Reading List

- Chacholiades, M. (1990), *International Trade: Theory and Policy*, McGraw Hill, Kogkusha, Japan.
- Cherunilam, F. (2008): *International Economics*, The Tata McGraw-Hill Companies, New Delhi. 5th Ed.
- Dunn R.M. and J.H. Mutt (2000), *International Economics*, Routledge, London.
- Kindlberger, C P (1991): *International Economics*, R D Irwin, Homewood.8th Ed.
- Krugman, P.R. and Obstfeld, M. (1994), *International Economics: Theory and Policy*, Glenview, Foresman.
- Mishra, S.K. and Puri, V.K. (2012), *Indian Economy- Its Development Experience*, Himalaya Publishing House. 30th Revised Ed.
- Salvator, D L (2001): *International Economics*, Prentice Hall, Upper Saddle River, New York.
- Soderston, Bo. (1999), *International Economics*, The Macmillan Press Ltd. London.
- Yarbough, R.J. (1999), *International Economics*, International Thompson Publishing, New York.

Additional Reading List

- Bhagwati J. (1988), *Protectionism*, Cambridge University Press, Mass.
- Brahmananda, P.R. and V.R. Panchmukhi (Eds.) (1987), *The Development Process of the Indian Economy*, Himalaya Publishing House, Bombay.
- Dana, M.S. (2000), *International Economics: Study, Guide and Work Book*, (5th Edition), Routledge Publishers, London.
- Goldsten, M. (1998), *The Asian Financial crisis: causes cure and systematic implications*, *Institute of International Economics*, Washington D.C.

B.A. Economics(Honors)
Semester-VI
Economics of Finance
DSE-3H-ECO-6003

External Marks:120
Internal Marks:30
Total Marks: 150
Time: 3 Hours
Credits: 6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I (i-a) Nature, Scope and Objective of Financial Economics; (i-b) Financial statement: Balance sheet, Profit & Loss Account and ratio analysis; Time value of money	(i-a) Aims at introducing to the students about Nature, scope and objectives of financial economics (i-b) aims at making the students understand basics of financial statements, and time value of money
UNIT-2 (ii-a) Capital Budgeting Decisions: Net Present Value, IRR, Profitability Index, Payback (ii-b) Corporate Restructuring: Mergers, Acquisitions, Amalgamations, Divestments-Meaning, Motives And Strategies; Corporate Governance.	(ii-a) Has the objective of giving exposure to students about Capital budgeting and its methods (ii-b) Aims at introducing to students about Corporate strategies of restructuring, and corporate governance
UNIT-3 (iii-a) Cost of Capital: Concept of Risk and Return; Portfolio Theory, Capital Asset Pricing Model (iii-b) Arbitrage Pricing Theory; Efficient Market Hypothesis-Basic Concept.	iii-a aims at developing understanding in students' mind about Risk and Return and portfolio theory iii-b has the objective of detailing about Arbitrage Pricing theory and efficient market hypothesis

<p>UNIT-4</p> <p>(iv-a) Capital market in India: Trends,stock markets instruments.</p> <p>(iv-b) Major reforms in primary and secondary capital market.</p>	<hr/> <p>iv-a</p> <p>has the objective of describing and explaining the trends and stock market instruments in Indian capital market</p> <p>iv-b</p> <p>Aims at discussing the primary capital market and stock market reforms in India</p>
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Overview of Outcomes

DSE3 COURSE- Economics of Finance

After the successful completion of the course,the students will be ableto Course Objective #

6003.1 Have knowledge about the Financial economics, and financial statements

6003.2 Have understanding of capital budgeting decisions,and Corporate restructuring strategies

6003.3 Have knowledge about Risk and return,portfolio theory and Efficient market hypothesis

6003.4 Have understanding aboutmechanism of Indian capitalMarket,and capital market reforms

DSE3 Course- Economics of Finance

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
6003.1	3	3	1	2	1	2	1	3	1	2	1
6003.2	2	3	2	2	1	1	2	3	2	2	2
6003.3	3	3	1	2	2	1	2	3	1	2	1
6003.4	2	3	1	2	2	1	1	3	2	2	2
Average	2.5	3	1.25	2	1.5	1.25	1.5	3	1.5	2	1.5

Suggested Reading List

1. *DK Khatri:Investment Management & Security Analysis : Text and Cases; McMillan India*
2. *DK Khatri: Investment Management & Security Analysis: Text and Cases; McMillan Indian*
3. *Dornbusch R., Fischer and Startz (1998), Macroeconomics, McGraw Hill, New York*
4. *IM Pandey: Financial Management*
5. *Jha , R. (1998), Modern Public Economics, Routledge, London.*
6. *Khan and Jain: Financial Management Fouth Ed. Tata McGraw Hill.*
7. *Mishan E. J.(1982),Cost-Benefit Analysis: An Informal Introduction, George Allen and Unwin, London.*

8. *Prasanna Chandra: Financial Management; McGraw-Hill*
9. *Prasanna Chandra: Investment management and Portfolio*
10. *Prasanna Chandra: Investment management and Portfolio Analysis; McGraw-Hill*
11. *Sen Amartya,; The Possibility of Social Choice, American Economic Review, Vol. 89(3), 1999, PP. 349-378. Stiglitz, J.E. (1999*

B.A Economics (Honors)
Semester-vi
Economics of Health and Finance
DSE4H-ECO-6004

External Marks:120
Internal Marks:30
Total Marks: 150
Time: 3 Hours
Credits: 6

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
UNIT-I (i-a) Role of Health and Education in Human Development: Importance in poverty alleviation (i-b) health and education outcomes and their relationship with macroeconomic performance	(i-a) Aims at introducing to the students about health and education as stimulants to human development ,and poverty alleviation (i-b) aims at making the students understand about health and education outcomes and economic development
UNIT-2 (ii-a) Health Sector in India: Overview; Health outcomes (ii-b) healthcare systems; health financing.	(ii-a) Has the objective of giving knowledge about health sector of India and indicators of health quality (ii-b) Aims at introducing to students about Health care systems and funding of healthcare infrastructure
UNIT-3 (iii-a) Education: Investment in Human Capital: Rate of return to education: private and social; quality of education; (iii-b) Signalling of human capital; theories of discrimination; gender and caste	iii-a aims at developing understanding in students' mind about education as investment in human capital, and quality of education iii-b has the objective of detailing about the return of education as asset; problems of discrimination

discrimination in India.	
UNIT-4 (iv-a) Education Sector in India: Overview; Literacy rates, school participation, school quality measures (iv-b) Role of Higher Education and Vocational Education in India; Skill India campaign	iv-a has the objective of describing and explaining the basics of education sector; school education iv-b Aims at discussing the role of higher education and skill creation.

Overview of Outcomes

DSE4 Course- Economics of Health and Education

After the successful completion of the course, the students will be able to Course Objective #

6004.1 Have knowledge about the basics of role and outcomes education and health w.r.t. economic development

6004.2 Have understanding of healthcare systems and funding of health infrastructure

6004.3 Have knowledge about education as investment in human Resources, and problem of discrimination

6004.4 Have understanding about school and higher education In India and skill creation campaign

DSE4-COURSE- Economics of Health And Education

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
6004.1	3	3	1	2	1	2	3	3	2	2	1
6004.2	3	3	2	2	1	1	2	3	2	2	2
6004.3	3	3	1	3	2	1	3	3	2	2	1
6004.4	3	3	1	2	2	1	3	3	2	2	2
Average	3	3	1.25	2.25	1.5	1.25	2.75	3	2	2	1.5

Suggested Reading List:

1. *Mishra S.K.and Puri V.K, Indian Economy Himalya Publication House Latest Edition.*
2. *Monga G.S.and Goel M.M. (2001) Wage Goods Approach and Development Deep and Deep New Delhi.*
3. *Parikh, K.S. (1999), India Development Report –1999-2000, Oxford University Press, New Delhi.*
4. *Ronald G., Ehrenberg and Robert S., Smith, Modern Labor Economics:*
5. *Sen, A. (1992), Inequality Reexamined, Oxford University Press, Oxford.*
6. *Sen, A.K.(Ed.) (1990), Growth Economics, Penguin, Harmondsworth.*
7. *Sen,A. (1983), Poverty and Famines, Oxford University Press, Oxford.*
8. *Theory and Public Policy, Addison Wesley, 2005*
9. *Thirlwal, A.P. (1999), (6th Edition), Growth and Development, Macmillan, U.K.*
10. *Todaro, M.P. and S.C. Smith (2003), (8th Edition), Economic Development, Pearson Education, Delhi.*
11. *William, Jack, Principles of Health Economics for Developing Countries, World Bank*
12. *World Development Report, Investing in Health, The World Bank, 1993.*